Chevron Environmental Management Company
and King County Metro Transit

Five-Year Review Report

Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

May 9, 2022

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Prepared By:
Arcadis U.S., Inc.
1100 Olive Way, Suite 800
Washington 98101
Phone: 206 325 5254
Fax: 206 325 8218

Prepared For:
Chevron Environmental Management Company
and King County Seattle Metro Transit

Our Ref:
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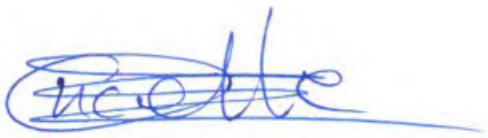
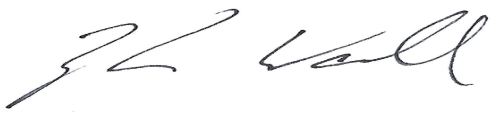


Ophélie Encelle
Environmental Scientist

Samuel Miles
Project Manager



Zackary S. Wall, L.G.
Licensed Geologist

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Acronyms and Abbreviations

µg/L	microgram per liter
AESI	Associated Earth Sciences, Inc.
AGI	Applied Geotechnology Inc.
Arcadis	Arcadis U.S., Inc.
AST	aboveground storage tank
bgs	below ground surface
CAP	Cleanup Action Plan
CD	Consent Decree
Chevron	Chevron Environmental Management Company
COC	constituent of concern
cPAH	carcinogenic polyaromatic hydrocarbon
CUL	cleanup level
DPE	dual-phase extraction
DRO	diesel-range organics
Ecology	Washington State Department of Ecology
Foster Wheeler	Foster Wheeler Environmental Corporation
gpm	gallon per minute
GRO	gasoline-range organics
HRO	heavy-oil-range organics
KC Metro	King County Metro Transit
LNAPL	light nonaqueous phase liquid
MDL	method detection limit
mg/kg	milligram per kilogram
MGP	manufactured gas plant
MTCA	Model Toxics Control Act
NAVD 88	North American Vertical Datum of 1988
PAH	polyaromatic hydrocarbon
POC	point of compliance

PPCD	Prospective Purchaser Consent Decree
PQL	practical quantitation limit
Public ROW	Public Right-of-Way
Sanborn	The Sanborn Map Company, Inc.
Site	former Chevron Bulk Plant No. 100-1327, 1602 North Northlake Way, Facilities North/King County (Metro), Seattle, Washington
Touchstone	Touchstone NLU LLC Corporation
TPH	total petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
WAC	Washington Administrative Code

1 Introduction

On behalf of Chevron Environmental Management Company (Chevron) and King County Metro Transit (KC Metro), Arcadis U.S., Inc. (Arcadis) prepared this Five-Year Review Report for the former Chevron Bulk Plant No. 100-1327, located at 1602 North Northlake Way, Facilities North/King County (Metro), Seattle, Washington (Site; Figure 1). This Five-Year Review Report documents ongoing compliance with the Consent Decree (CD; Washington State Department of Ecology [Ecology] 1998), #99-2-08651-1SEA, between Chevron, KC Metro, and Ecology. The Cleanup Action Plan (CAP; Foster Wheeler Environmental Corporation [Foster Wheeler] 1998), which is provided as Exhibit A to the CD (Ecology 1998), describes the cleanup actions to be completed by Chevron and KC Metro pursuant to the CD.

The Site is formally known as Metro Lake Union in Ecology's database. Identifiers are

- Facility Site Identification Number 2217
- Cleanup Site Identification Number 1275.

Ecology's website for the Site is available at Site Information (wa.gov); documents available electronically can be accessed by clicking View Electronic Documents in the sidebar (or clicking on the preceding hyperlink). The Site is also referred to as the King County Metro Transit Facilities North Site and former Chevron Bulk Terminal #100-1327 Site on Ecology's website.

In the CD (Ecology 1998), the Site consists of three areas: the South Yard (Parcel Lot 408880-4670), the North Yard (Parcel Lot 408330-6985), and the Public Right-of-Way (Public ROW) between the two parcels. The Site, as defined in the CD (Ecology 1998), does not include Lake Union or its sediments. The Site and surrounding area are shown on Figures 1 and 2.

This Five-Year Review Report:

- Describes the Site and its historical use.
- Summarizes regulatory requirements established in the CD (Ecology 1998).
- Describe the site characterization.
- Documents compliance with regulatory requirements.

2 Site Description and Historical Use

The Site is located at 1602 North Northlake Way along the north shore of Lake Union in a mixed-use residential and commercial neighborhood, with industrial marine facilities located along the shoreline. The Site consists of three areas, as shown on Figure 2: the South Yard (Parcel Lot 408880-4670), the North Yard (Parcel Lot 408330-6985), and the Public ROW between the two parcels. The Site, as defined in the CD (Ecology 1998), does not include Lake Union or its sediments. Between 1925 and 1927, Standard Oil of California (later Chevron) developed the North and South Yards as a marine bulk fuel storage and distribution facility. KC Metro acquired the property in 1982 and used it for diesel fueling operations until April 1992, when all remaining diesel products were removed from the Site. Only three truck deliveries of diesel were received in 1991. According to KC Metro staff, no gasoline products were ever received or stored onsite by KC Metro. KC Metro decommissioned the fueling equipment in 1992 and used the property as a maintenance operations base until selling the North Yard. The Site Plan is shown on Figure 3.

2.1 North Yard

2.1.1 North Yard Description

The North Yard is located on the north side of North Northlake Way, between North 34th Street to the north, North Northlake Place to the south, Woodlawn Avenue North to the west, and Densmore Avenue North to the east (Figure 3). The 1.67-acre North Yard is occupied by a 4-story office building with underground parking garage and is owned by BRE-BMR 34th LLC (King County Department of Assessments 2022). The property is zoned for industrial commercial use (IC-65 [M]).

2.1.2 North Yard History

The history of the North Yard is summarized below:

- *1925*. Standard Oil Company of California (Chevron) developed the North Yard, including installation of aboveground storage tanks (ASTs) and piping.
- *1927*. Chevron constructed the garage along the north boundary and the tank-truck loading racks.
- *1950*. Available maps show various small buildings and sheds associated with oil delivery on the southern portion of the North Yard.
- *1982*. KC Metro purchased the property for diesel fueling operations. KC Metro also used the North Yard for parking, private offices, lunch and meeting rooms, restrooms, locker rooms, record storage, and a woodworking and paint shop.
- *1992*. KC Metro decommissioned the fueling equipment and cleaned and capped the pipelines leading from the North Yard to the South Yard.
- *1999*. Chevron, KC Metro, and Ecology entered into a CD (Ecology 1998) for the Site.
- *2007*. Touchstone NLU LLC Corporation (Touchstone) and Ecology entered into the Prospective Purchaser Consent Decree (PPCD; Ecology 2007) for the North Yard.

- *2009*. Touchstone purchased the North Yard from KC Metro.
- *2014 and 2015*. Touchstone completed remediation of the North Yard as part of its redevelopment, called North Edge.
- *2015*. Ecology recommended closing the PPCD (Ecology 2007, 2015).
- *2016*. Ecology decided to dismiss the PPCD (Ecology 2007, 2016).

Historically, the North Yard included 11 ASTs, transfer piping, truck loading racks, and various small buildings. The petroleum product stored in the North Yard was linked to the South Yard fuel dock by underground piping. According to the CAP (Foster Wheeler 1998), the ASTs historically stored gasoline, diesel, fuel oil, refined oil, gasoline distillates, and lubricating oils.

2.1.3 North Yard Remediation Activities

Groundwater and soil remediation at the North Yard included the following:

- *Prior to 1998*. North Yard ASTs were cleaned and closed, and aboveground piping was removed.
- *1992*. Subsurface piping was cleaned and capped at the south wall of the AST containment area. Piping closed in place remains at the North Yard, under the former office area.
- *1998*. Piping pits and pipe connections were inspected. No surface or shallow (within 0.5 foot) petroleum staining or vapor was detected near the exposed piping connections.
- *1999 and 2000*. Phase 1 remediation work was conducted. The North Yard ASTs were removed, and shallow North Yard soil was removed to address metals contamination. Surface soils (upper 3 to 6 inches) that exceeded site-specific soil cleanup levels (CULs) were removed.
- *1997 through 2010*. Light nonaqueous phase liquid (LNAPL) was removed by bailing, skimming, and sorbent socks (see Table 1 and Table 2).
- *2001*. Three enhanced fluid recovery events were conducted and no measurable LNAPL was recovered.
- *2014 and 2015*. Touchstone completed excavation of North Yard soils from property line to property line for treatment and/or offsite disposal (Touchstone 2015).
- *2015*. Ecology recommended closing the PPCD (Ecology 2007, 2015), stating that "*Touchstone successfully cleanup [sic] up Metro Lake Union Site North Yard aka North Site aka North Edge. Touchstone has met the MTCA Method A cleanup levels for soils for unrestrictive use throughout the North Edge Site*."
- *2016*. Ecology provided written notification that no further remedial action was necessary to clean up contamination at the North Edge Site under the MTCA. Ecology also determined that no post-cleanup controls or monitoring were necessary under the MTCA for the PPCD (Ecology 2007, 2016).

2.2 Historical Shoreline Development and Fill Material

Prior to construction of the neighboring former manufactured gas plant (MGP), the historical shoreline (1907) was located approximately 100 to 200 feet inland from the current shoreline (The Sanborn Map Company, Inc. [Sanborn] 1905). During construction of the MGP, significant quantities of fill were placed to extend the shoreline to its current configuration. Based on the information reviewed, the majority of this fill placement occurred between 1907 and 1919. The South Yard and likely the Public ROW is located on fill placed to extend the

shoreline during this time period. Figure 4 shows the approximate shoreline in 1905 relative to the current shoreline. At Gas Works Park, this fill material was placed along Lake Union and consisted of a mixture of gravel, sand, silt, and clay, along with anthropogenic materials from the MGP site including debris, cinders, lampblack, various wastes, and byproducts (Floyd Snider 2007). As described in the Gas Works Sediment Area Draft Western Study Area Remedial Investigation/Feasibility Study (Floyd Snider 2007), this shoreline fill was considered a potentially significant source of PAH contamination at the Gas Works Park. The general description of this fill material (gravel, sand, silt, and clay) resembles the fill material described in several of the site monitoring wells and soil borings (see Section 4.1.1).

2.3 South Yard

2.3.1 South Yard Description

The South Yard is located on the south side of North Northlake Way. The South Yard is bounded by Lake Union on the southwest, private property on the northwest, North Northlake Place on the northeast, and a property occupied by the Seattle Harbor Patrol on the southeast (Figure 3). The 1.29-acre property is occupied by the Center for Wooden Boats, with loading docks and a storage warehouse, and is a government-owned property (King County Department of Assessments 2022). The property is zoned for industrial/commercial use (IC-45; industrial commercial with a height limit of 45 feet).

2.3.2 South Yard History

The history of the South Yard is summarized below:

- *Prior to 1908*. Puget Sound Sheet Metal Works occupied the South Yard. Several wood-frame buildings were present.
- *1912*. A tannery occupied the South Yard until the late 1920s.
- *1950*. Chevron used a building in the South Yard as a warehouse.
- *1960*. Chevron and California Spray and Chemical Company occupied the South Yard. No information on California Spray and Chemical Company's activities at the South Yard is available.
- *1982*. KC Metro purchased the South Yard. KC Metro used the property in connection with its diesel fueling operations at the North Yard. KC Metro also used the South Yard to store equipment and materials, and as a parking lot.
- *1992*. KC Metro decommissioned fueling equipment and cleaned and capped the pipelines leading from the North Yard to the South Yard.
- *1999*. Chevron, KC Metro, and Ecology entered into a CD (Ecology 1998) for the Site.

Detailed information on historical bulk fuel handling at the Site is not available. Based on the knowledge of typical industry practices and the existing and former structures, it can be inferred that bulk quantities of fuel were delivered to the facility by barge. As stated in the Draft Remedial Investigation/Feasibility Study*:*

> *These fuels would have been pumped through the underground pipelines that connected the Lake Union docks to the ASTs in the North Yard. Fuel would then have been transferred from the storage tanks into*

trucks at the tank truck loading rack. Fuels and other various products may also have been dispensed to vessels moored at the Lake Union docks. (Applied Geotechnology Inc. [AGI] 1993)

2.3.3 South Yard Remediation Activities

Groundwater and soil remediation at the South Yard and in the Public ROW has included the following:

- *1992*. Subsurface piping was cleaned and capped at the South Wall of the AST containment area. Piping that was cleaned and closed in place remains in the Public ROW beneath North Northlake Way, beneath the South Yard to the north end of the dock, and on the dock.
- *1998*. Piping pits and pipe connections were inspected. No surface or shallow (within 0.5 foot) petroleum staining or vapor was detected.
- *1999 and 2000*. The use of hydrogen peroxide as an in-situ chemical oxidant was pilot tested and a full-scale system was installed to inject hydrogen peroxide into several groundwater monitoring wells (MW-3, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-15, MW-22, MLU-1, MLU-3, and AGI-2).
- *2002 and 2003*. A biosparge system was installed and operated.
- *October 2003*. Monitoring well MW-8 was abandoned, test pits were completed to characterize the soil, 350 tons of soil were excavated, and MW-8A was installed after excavation.
- *October 2015*. Ecology reviewed the August 2015 soil results for the near surface soil testing at the South Yard. A comparison of the August 2015 results to the 1993 results for the same sample locations, or sample locations nearby, show that the site remediation and/or natural attenuation have addressed these locations and no further cleanup action is required for soil.

2.4 Public Right of Way

The portion of the Site between the North Yard and South Yard at North Northlake Place and North Northlake Way is referred to as the Public ROW (Figure 2).

Two sets of subsurface piping were used to transfer product from the South Yard to the North Yard. In 1992, the subsurface piping was cleaned and capped at the south wall of the AST containment area. In 1998, an inspection of piping pits and pipe connections indicated no surface or shallow (within 0.5 foot) petroleum staining or detections in the eight locations tested. The subsurface piping that was closed in place is located under the former North Yard office area, beneath the South Yard and under the dock.

3 Cleanup Requirements

In 1999, Chevron and KC Metro entered into a CD (Ecology 1998) with Ecology that required remediation of shallow upland soil and of groundwater for protection of Lake Union surface waters. Active cleanup work was divided into two phases. Phase 1 work was completed in 2000. Active Phase 2 work began in 1999 and was completed with closure of the PPCD (Ecology 2007) in 2016. All active remediation required under the CD (Ecology 1998) for the North and the South Yards has been completed. Compliance groundwater monitoring continues. This section describes the cleanup requirements established for the Site.

3.1 Cleanup Action Plan Requirements

Cleanup requirements set in the CD (Ecology 1998) are described in the CAP (Foster Wheeler 1998), which describes the cleanup actions to be completed by Chevron and KC Metro. The CAP (Foster Wheeler 1998):

- Identifies site-specific CULs and points of compliance (POCs) for constituents of concern (COCs) in soil and groundwater
- Describes the selected cleanup actions for the Site
- Identifies restrictions on future uses and activities to ensure continued protection of human health and the environment
- Discusses compliance monitoring requirements.

Site-specific CULs were developed for soil and groundwater COCs based on estimates of the highest beneficial use and the reasonable maximum exposure expected to occur under current and potential future site use conditions. Site-specific CULs are presented in Sections 3.2 and 3.3.

The selected cleanup actions for the Site include two phases of soil and groundwater remediation:

- Phase 1 (completed) focused on the North Yard and consisted of demolition of the ASTs, removal of the aboveground piping and associated structures, and remediation of the North Yard shallow soils containing metals from AST sand blasting and painting activities.
- Phase 2 (active remediation work completed) focused on the South Yard soil and groundwater. Phase 2 consisted of in situ groundwater remediation (i.e., hydrogen peroxide injection) and included contingency measures such as continued groundwater monitoring (ongoing). Compliance monitoring requirements are described in Section 3.5.

The CAP (Foster Wheeler 1998) specified that shallow soils (depth of 2 feet below ground surface [bgs] or less) collected in 1993 from three hand borings in the South Yard that exceeded site-specific soil CULs will require evaluation to assess current concentrations. If current concentrations exceed site-specific soil CULs, then these shallow soils in the South Yard will be remediated by natural attenuation and monitoring, or by another Ecology-approved method. For subsurface soil at or near groundwater (outside of the North Yard, addressed through Phase I), Section 5.3.2 of the CAP (Foster Wheeler 1998) specified addressing soil with concentrations exceeding site-specific soil CULs by groundwater remediation.

The CAP (Foster Wheeler 1998) also imposed institutional controls. The North and South Yards are zoned and anticipated to remain zoned as industrial/commercial. The CAP (Foster Wheeler 1998) includes the following institutional controls:

- Restrictive covenants limiting site use to commercial or industrial purposes, extraction or use of groundwater beneath the Site, and excavation activities.
- Engineering controls to restrict site access at the North and South Yards, including maintaining the existing fencing and containment wall to restrict site access and paving of the North Yard with asphalt for use as a parking lot.

3.2 Groundwater Cleanup Levels

3.2.1 Groundwater Cleanup Levels

Groundwater CULs for the Site were based on MTCA Method B surface water CULs for protection of Lake Union surface waters (Foster Wheeler 1998) per Washington Administrative Code (WAC) 173-340-720(2)(d) and 173-340-730. As defined by the MTCA, the POC is the point where CULs shall be attained. The POC for groundwater in the North and South Yards are the respective southern property boundaries. The CULs for COCs at the Site are presented in Table 3-1, below.

Table 3-1 Site Groundwater Constituent of Concerns and Cleanup Levels

Groundwater COC		Groundwater CUL (µg/L)
	Benzene	43
	Toluene	48,500
	Ethylbenzene	6,910
	Naphthalene	9,880
Carcinogenic polyaromatic hydrocarbons (cPAHs)	Benzo(a)anthracene	0.0296
	Benzo(a)pyrene	0.0296
	Benzo(b)fluoranthene	0.0296
	Benzo(k)fluoranthene	0.0296
	Chrysene	0.0296
	Dibenz(a,h)anthracene	0.0296
	Indeno(1,2,3-cd)pyrene	0.0296
	Arsenic	0.0982
	Lead	5

Note:
µg/L = microgram per liter

The arsenic CUL specified in the CD (0.0982 µg/L) is two to three orders of magnitude lower than current arsenic standards developed for drinking water. The current MTCA Method A groundwater CUL is 5 µg/L (WAC 173-340-

900, Table 720-1), which is based on natural background, and this CUL is expected to increase based on more recent background data (see Section 3.2.2). The Federal Drinking Water Standard for arsenic is 10 µg/L. The current arsenic CUL is also two orders of magnitude below the USEPA Method 6020 practical quantitation limit (PQL) for arsenic (2 µg/L) and one order of magnitude below the USEPA Method 6020 method detection limit (MDL) for arsenic (0.18 to 0.68 µg/L).

3.2.2 Arsenic Background Levels

Arsenic is naturally occurring in rocks and soil, water, air, plants, and animals (USEPA 2001). Natural activities such as volcanic action, erosion of rocks, and forest fires may also release arsenic to the environment (USEPA 2001). Anthropogenic activities that may release arsenic to the environment include industrial activities (e.g., wood preserving, paints, dyes, metals, semiconductors), agricultural applications, mining, and smelting (USEPA 2001).

Background concentrations of arsenic in Washington may be attributed to both natural occurrences and anthropogenic releases of arsenic. Background groundwater concentrations of arsenic in Washington were evaluated by Ecology and results are published in the Natural Background Groundwater Arsenic Concentrations in Washington State Study Results (Ecology 2022a). Groundwater arsenic data from 5,457 public water supply wells from 2003 to 2010 were used to calculate natural background groundwater arsenic concentrations (background threshold values). The study results indicate that in Washington, natural background arsenic concentrations vary from 4.9 to 15.4 µg/L across the state. The study recommends that "*Ecology should consider the results of this study for future MTCA site cleanup rule (Chapter 173-340 WAC) revisions. Specifically, the current Ecology arsenic cleanup level of 5 µg/L is within the range of natural background and is therefore too low in some parts of the state*". The Puget Sound Basin was the second largest basin that was evaluated (more than 5,000 square miles) with a total sample size of 2,790 (including 1,386 non-detects). The background threshold value was established at 8 µg/L for the Puget Sound Basin.

The Site is located on the margin of the documented area-wide arsenic contamination from the former ASARCO smelter emissions. From 1889 to 1985, ASARCO operated a copper smelter in Tacoma, Washington. Air pollution from the smelter settled on the surface soil over more than 1,000 square miles, predominantly in the northeast direction based on predominant wind direction. Arsenic, lead, and other heavy metals were deposited and remain in the soil. As shown on the Tacoma Smelter Plume Map, the site area may contain arsenic at concentrations up to 20 mg/kg based on soil sample results (Ecology 2022b).

3.3 Soil Cleanup Levels

Soil CULs for the Site outside of the North Yard are presented in Table 3-2. (See Section 3.4. for the North Yard). Site-specific soil CULS were based on MTCA Method A Industrial soil CULs (metals), Method C Industrial soil CULs (benzene and PAHs), and Method B Interim Total Petroleum Hydrocarbon (TPH) Policy using a residual saturation based evaluation (TPH).

Table 3-2 Site Soil Constituent of Concerns and Cleanup Levels

Soil COC	Soil CUL (mg/kg)
Inorganic Chemicals	
Arsenic	200
Cadmium	10
Chromium	500
Lead	1,000
Mercury	1
Polyaromatic Hydrocarbons	
Benzo(a)anthracene	18
Benzo(b)fluoranthene	18
Benzo(k)fluoranthene	18
Benzo(a)pyrene	18
Chrysene	18
Dibenzo(a,h)anthracene	18
Indeno(1,2,3-cd)pyrene	18
Naphthalene	18
Fluoranthene	18
Other Petroleum	
TPH-Gasoline	4,520
TPH-Diesel	5,140
TPH-Oil	5,780
Benzene	4,530

Notes:
mg/kg = milligram per kilogram
TPH = total petroleum hydrocarbons

3.4 Touchstone Prospective Purchaser Consent Decree Requirements

In 2007, Touchstone and Ecology entered into a PPCD (Ecology 2007) requiring Touchstone to remediate soil at the North Yard to MTCA Method A unrestricted soil CULs, and to manage the dewatering/groundwater during construction. Touchstone was not responsible for remediation of soil outside of the North Yard property boundary or for remediation of groundwater on and outside of the North Yard property boundary. Soil outside the North Yard property line and groundwater are part of the CD (Ecology 1998).

Touchstone completed remediation of the North Yard as part of its redevelopment, called North Edge. On March 22, 2016, Ecology issued a letter (Ecology 2016) providing written notification that no further remedial action is necessary to clean up contamination at the North Edge Site (i.e., North Yard) under the MTCA, determined that no post-cleanup controls or monitoring are necessary under the MTCA for the PPCD (Ecology 2007), and dismissed the PPCD.

3.5 Compliance Monitoring

The CAP (Foster Wheeler 1998) designates the POC for groundwater in the North Yard to its southern boundary and monitoring to be conducted using compliance monitoring wells MW-19, MW-20, and MW-21. The CAP (Foster Wheeler 1998) designated the POC for groundwater in the South Yard to its southern boundary and monitoring to be conducted using compliance monitoring wells MW-4, MW-7, MW-8 (replaced with MW-8A), MW-25, MW-26, AGI-2, MLU-1, and MLU-3 (Figure 3). In addition, the CAP (Foster Wheeler 1998) specified that compliance with MTCA requirements are met once COCs in all compliance wells are less than CULs for five consecutive quarters (i.e., a total of five monitoring events for approximately 1.25 years at 3-month intervals). Figure 3 shows the current well network.

Ecology requested the compliance monitoring to be revised to account for Touchstone's remediation activities. Per Ecology's direction, Arcadis submitted a Revised Groundwater Compliance Monitoring Plan (Arcadis 2011) on March 31, 2011. Under the Revised Groundwater Compliance Monitoring Plan (Arcadis 2011), compliance monitoring wells were sampled annually (2013, 2014, and 2015) until Touchstone's cleanup actions in the North Yard were completed. Following the May 1, 2014, meeting between Ecology, Chevron, and KC Metro, Arcadis submitted the Additional Soil Investigation Work Plan (Arcadis 2014) on August 15, 2014, to set the sampling frequency of the compliance wells to semiannually following remediation. In a letter dated April 7, 2014 (Ecology 2014), Ecology stated that compliance monitoring should resume after remediation was completed and would be conducted for five consecutive semiannual events including wet and dry season. Ecology indicated it will re-evaluate the monitoring frequency, number of monitoring wells, and future requirements.

4 Site Characterization

This section summarizes the site geology and hydrogeology, and historical and current characterization of soil and groundwater. Figure 5 shows the investigation locations (hand auger locations, soil borings, monitoring wells, and piezometers).

4.1 Geology and Hydrogeology

The site geology and hydrology are described below and shown on Figures 6 through 10.

4.1.1 Site Stratigraphy

The general site stratigraphy consists of fill material placed over native soils (Vashon Stade glacial deposits).

The fill material was placed in the 20th Century as described in Section 2.2. and consists of loosely compacted yellowish-brown to grayish-brown sand and silty sand with occasional gravel and/or debris (vegetative and anthropogenic). Historically placed fill material, which included treated wood and debris, may contribute to elevated arsenic in groundwater in the Public ROW and South Yard. In the Public ROW, multiple boring logs indicate the presence of anthropogenic material (primarily wood materials). Some of these borings are in the former railroad ROW and wood debris may be associated with former railroad tracks/ties. Woody debris was observed in the upper 5.5 feet in soil borings B-20 and B-22. Soil borings P2 and P3 included observations of fill material and wood materials in the upper 10 feet of soil. Soil boring P1A contained fill material over a similar depth, including lampblack/pitch from approximately 0.5 to 3.5 feet bgs. Monitoring wells present in the South Yard are within the area of historically placed fill. Boring logs indicate the presence of fill material within the screened interval of several of these monitoring wells. Monitoring wells MLU-1 and AGI-2 contain wood material, and MLU-3 contains anthropogenic materials including wood material described as a potential railroad tie.

The Vashon Stade deposits consist of hard, dense, gray, tightly compacted sand, silt, and gravel deposited during the advance and retreat of the Vashon Stade glacier (i.e., advance outwash, glacial till, and recessional sand). The North Yard was entirely excavated during Touchstone's redevelopment activities; until then, it was underlain by 20th Century fill to approximately 10 to 20 feet bgs and Vashon Stade deposits to the maximum depth explored in the North Yard (approximately 85 feet bgs). The South Yard is underlain by 20th Century fill to approximately 15 to 35 feet bgs, and by Vashon Stade deposits to the maximum depth explored in the South Yard (approximately 55 feet bgs). Cross-section locations are shown on Figure 6, and geologic cross-sections are shown on Figures 7, 8, and 9.

4.1.2 Site Groundwater

The historical groundwater flow direction at the Site has seasonally fluctuated from the southeast toward the southwest. Generally, groundwater discharges to Lake Union. However, groundwater elevations are occasionally lower than the Lake Union water level. The Lake Union water level is maintained by the Hiram M. Chittenden Locks at approximately 20 to 22 feet above North American Vertical Datum of 1988 (NAVD 88). Groundwater gradient information collected in 1993 indicated that during these Lake Union water-level changes, groundwater gradients may reverse near the lake (AGI 1993). Quarterly groundwater gradient information collected from 1993

to present indicates that the site groundwater gradient does not change and is always toward Lake Union. If groundwater gradients do reverse when lake levels are lowered, it is a temporary phenomenon and/or is not measured in groundwater monitoring wells as close as 20 feet inland from the shoreline. As such, any groundwater gradient reversal that may occur near the shoreline would not affect groundwater flow in the Public ROW or the North Yard portions of the Site.

Since Touchstone's redevelopment activities in 2014 and 2015, groundwater elevations across the Site have ranged from approximately 16.37 to 49.27 feet above NAVD 88 in monitoring wells MW-14 and MW-24, respectively. Groundwater elevation data are presented in Table 1. Well construction details are presented in Table 2. The latest Groundwater Elevation Contour Map is shown on Figure 10.

4.1.3 Previous Aquifer Testing

Slug tests and aquifer drawdown tests were performed in June and July 1998. Based on the slug tests, the hydraulic conductivity at three site groundwater monitoring wells (MW-11, MW-14, and MW-16) ranged from approximately 12 to 56 feet/day. The aquifer testing data were used by Foster Wheeler to estimate a sustainable yield of 2 gallons per minute (gpm) with a range of 0.5 to 3 gpm.

4.2 Nature and Extent of Contamination

This section describes the type of contaminants at the Site (nature) and the distribution of these contaminants vertically and horizontally across the Site (extent). Figures 11 through 14 show the recent soil and groundwater results for the Site.

4.2.1 Light Nonaqueous Phase Liquid

LNAPL is no longer observed at the Site but was historically observed in the North Yard and along its downgradient border within the Public ROW portion of the Site. LNAPL has not been observed at any monitoring wells located in the South Yard (Table 1).

4.2.1.1 North Yard Light Nonaqueous Phase Liquid

LNAPL has not been observed in the North Yard since July 2014 but was historically observed at North Yard monitoring wells MW-3, MW-10, MW-12, MW-27, MW-28, SMPN-1, SMPN-2, and SMPN-3. Historical thicknesses ranged from 0.005 foot to a maximum of 4.91 feet in MW-3 in June 2014.

LNAPL was removed from the North Yard during Touchstone's redevelopment under the PPCD (Ecology 2007). According to Associated Earth Sciences, Inc. (AESI), during the 2014 and 2015 remediation work, five "free phase hydrocarbon recovery wells" (recovery wells) were installed near the locations of monitoring wells MW-3, MW-10, MW-12, MW-27, and MW-28. The recovery wells were used to extract LNAPL and water from the subsurface and help reduce the presence of hydrocarbon product in the southern half of the North Yard. A vacuum truck was used to remove fluids from both the existing monitoring wells and each adjacent recovery well on a weekly basis. A total of approximately 17,273 gallons of fluid (water and LNAPL) were removed from the monitoring wells and recovery wells. The fluids were transported to Ventilation Power Cleaning, Inc., located in Seattle, Washington, for disposal (AESI 2015).

4.2.1.2 Public Right-of-Way Light Nonaqueous Phase Liquid

LNAPL has not been observed in the Public ROW since June 2014 but was historically observed in monitoring well MW-9, which was located directly adjacent to the North Yard source area. Historical thicknesses observed at MW-9 ranged from 0.01 foot to a maximum of 1 foot in December 2012. The LNAPL observed at MW-9 likely originated in the North Yard and has not been observed since the 2014 and 2015 remediation work. LNAPL has never been observed at downgradient compliance monitoring wells MW-19, MW-20, and MW-21.

Arcadis performed a dual-phase extraction (DPE) pilot test from January 5 through 8, 2015, with post-pilot test gauging activities conducted for 6 weeks after the extraction activities. Monitoring well MW-9 was overdrilled and replaced with extraction well MW-9R; monitoring wells EW-1, MW-29, and MW-30 were installed downgradient of MW-9R. During the DPE pilot test, limited groundwater was recovered due to low water levels, caused by nearby dewatering activities by Touchstone. LNAPL was not measured in monitoring wells EW-1, MW-9R, MW-29, and MW-30 during baseline measurements, DPE pilot testing, and the 6-week gauging period following DPE pilot testing activities. These wells were added to the semiannual groundwater monitoring program to monitor potential LNAPL in the area. Further details regarding the DPE pilot test activities are discussed in the Well Installation and Dual-Phase Extraction Pilot Test Report (Arcadis 2015).

4.2.2 Soil Quality

Soil impacts were historically most significant and widespread within the North Yard. In the South Yard, with the exception of a few historical shallow soil samples collected in 1993, soil samples meet site-specific soil CULs. Soil data are presented in Tables 3 and 4. Historical soil results for metals are presented in Table 5.

4.2.2.1 North Yard Soil

In a letter dated March 22, 2016, Ecology (2016) provided written notification that no further remedial action is necessary to clean up contamination at the North Edge Site (i.e., North Yard) under the MTCA and determined that no post-cleanup controls or monitoring are necessary under the MTCA.

Historically, shallow soil in the top 3 to 6 inches was impacted by metals in the northern part of the North Yard where the tank farm was located. Of the 34 samples collected at the North Yard in 1993, arsenic and lead concentrations exceeded site-specific soil CULs in five samples and two duplicates: HB1 (0.2 foot bgs), HB2 (0.1 foot bgs), HB3 (0.1 foot bgs), HB4 (0.1 foot bgs), and HA-06 (0 to 0.5 foot bgs). Mercury concentrations exceeded site-specific soil CULs at four of those locations HB1 (0.2 foot bgs), HB2 (0.1 foot bgs), HB3 (0.1 foot bgs), and HB4 (0.1 foot bgs). Cadmium concentrations exceeded site-specific soil CULs at two of those locations HB1 (0.2 foot bgs) and HB2 (0.1 foot bgs). None of the 17 soil samples collected below 0.5 foot bgs contained metals concentrations greater than the site-specific soil CULs. As part of the Phase I cleanup implemented under the CD (Ecology 1998), these impacted soils were excavated and disposed of offsite (Science Applications International Corporation 2006) in 1999.

Deeper petroleum hydrocarbon-impacted soils have been observed within the North Yard. Petroleum hydrocarbons, including diesel-range organics (DRO) and gasoline-range organics (GRO), exceed site-specific soil CULs at multiple locations in the North Yard. Heavy-oil-range organics (HRO) and cPAHs were not detected at concentrations greater than site-specific soil CULs in North Yard soil samples. These impacted soils were removed by Touchstone during redevelopment of the North Yard under the PPCD (Ecology 2007). According to

AESI, the 2014 and 2015 remediation was performed in general conformance with the Cleanup Action Plan for the Metro Lake Union North Yard Property Cleanup Site, dated January 18, 2007 and provided in the PPCD (Ecology 2007). Soil remediation activities resulted in the removal of 59,814 tons of contaminated soil, with petroleum hydrocarbon concentrations greater than the MTCA Method A unrestricted soil CULs, for treatment and disposal. AESI conducted monitoring of the bottom of the excavation and internal sidewalls to confirm that soil cleanup standards were met within the North Yard boundaries. Confirmatory sampling indicated that residual concentrations of petroleum hydrocarbons in soil at the design bottom elevation of the building excavation are less than the MTCA Method A unrestricted soil CULs (AESI 2015).

4.2.2.2 South Yard Soil

On October 22, 2015, Ecology issued an email providing written notification that no further cleanup action is required to address the shallow soils (depth of 2 feet bgs or less) collected in 1993 from three hand borings in the South Yard that exceeded site-specific soil CULs.

Historically in the South Yard, two shallow hand auger soil samples collected in 1993 (HB8 at 1 foot bgs, HS4 at 0.3 foot bgs) exceeded the site-specific soil CUL for DRO and one shallow hand auger soil sample collected in 1993 (HB7 at 0.4 foot bgs) exceeded the site-specific soil CUL for lead. No other soil samples have exceeded the South Yard site-specific soil CULs for petroleum hydrocarbons or metals. On August 26, 2015, Arcadis advanced four hand auger borings (HB-10, HB-11, HB-12 and HB-13) confirming the 1993 results have been remediated and/or addressed via natural attenuation. Confirmation soil sample results are shown on Figure 11.

One deeper soil sample exceeded the site-specific soil CUL for GRO. In 1993, the GRO concentration in a soil sample from AGI-2 (12.5 feet bgs) was 5,500 mg/kg, exceeding the site-specific CUL for GRO in soil (4,520 mg/kg). This well never had measureable levels of LNAPL, indicating that LNAPL is not present in South Yard soil at the residual saturation limit. Additionally, soil samples collected in 2001 near AGI-2 presented GRO concentrations less than the site-specific CUL for GRO in soil (GP-6 at 9 and 15 feet bgs, and GP-7 at 9 feet bgs).

4.2.2.3 Public Right-of-Way Soil

Historical data for site soil exceeding site-specific soil CULs in the Public ROW between North Yard and South Yard are described below.

Of the 89 historical soil samples collected within the Public ROW, GRO concentrations exceeded site-specific soil CULs only in seven samples, all of which are located adjacent to or downgradient of the North Yard: SB-8 (12.5 feet bgs) collected in 1993, P-1B (16 feet bgs) and P-3 (16 feet bgs) collected in 2006, B-14 (12.5 feet bgs) and B-23 (10 feet bgs) collected in 2007, and SB-1 (12.5 to 13.6 feet bgs) and SB-2 (12.5 to 13.6 feet bgs) collected in 2014. Two of those samples also contain DRO and naphthalene concentrations exceeding site-specific soil CULs: SB-8 (12.5 feet bgs) and B-23 (10 feet bgs). DRO concentrations exceeded site-specific soil CULs in two additional samples collected in 2007: GP-5 (7 feet bgs) and B-12 (12.5 feet bgs).

Given the spatial locations, depths, and concentrations at which these contaminants were found, it appears that they migrated there from a source area (likely the North Yard). Similarly, the soil data do not suggest that the Public ROW is a source area for contaminants that could readily migrate to other parts of the Site or offsite.

Metals were not detected at concentrations greater than site-specific soil CULs in the Public ROW.

4.2.3 Groundwater Status

Groundwater data collected in January 2022 are presented in Tables 1 and 6, and shown on Figures 12, 13 and 14. Field notes taken during the groundwater sampling activities are included in Appendix A. The laboratory analytical reports and data review are included in Appendix B. Historical groundwater analytical results are presented in Appendix C. Consecutive sampling events where the COC concentrations are less than the groundwater CULs in POC wells are presented in Table 7.

4.2.3.1 Groundwater Monitoring Network

Groundwater monitoring has been conducted intermittently (one, two, or more times per year) since 1999. Ecology approved semiannual compliance monitoring for 2015 and beyond.

The compliance monitoring network consist of 11 compliance monitoring wells including MW-4, MW-7, MW-8A, MW-25, MW-26, AGI-2, MLU-1, and MLU-3 at the South Yard; and MW-19, MW-20, and MW-21 at the North Yard. Nine additional monitoring wells (MW-9R, MW-11, MW-14, MW-15, MW-22, MW-24, MW-29, MW-30, and EW-1) are present in the Public ROW and gauged as part of the semiannual compliance monitoring event but are not compliance monitoring wells. Groundwater is sampled from the compliance monitoring wells and analyzed for benzene, toluene, and ethylbenzene by United States Environmental Protection Agency (USEPA) Method 8260; sampled, filtered, and analyzed for PAHs (cPAHs and naphthalene) by USEPA Method 8270, and for arsenic and lead by USEPA Method 6020.

During the January 2022 event, the compliance monitoring wells were redeveloped using a surge block and purge pump to remove fine-grained sediments from the filter sand pack, well screen, and casing. Groundwater samples were also collected from monitoring wells located in the Public ROW, along North Northlake Place (MW-11, MW-15, MW-22, and MW-29), and in the North Yard (MW-24) to assess current groundwater conditions.

4.2.3.2 Petroleum Hydrocarbons

Concentrations of benzene, toluene, ethylbenzene, naphthalene, and cPAHs in groundwater samples have been in compliance with groundwater CULs in the North Yard, Public ROW, and South Yard since December 2016, with the exception of one benzene detection greater than the groundwater CUL in the sample collected from South Yard monitoring well AGI-2 in December 2019.

Historically, benzene and cPAH concentrations in groundwater were greater than site groundwater CULs in the North Yard, Public ROW, and South Yard. Concentrations in monitoring wells located within the North Yard were generally greater than those observed in downgradient compliance monitoring wells in the Public ROW and South Yard.

4.2.3.3 Metals

The arsenic groundwater CUL of 0.0982 µg/L is lower than typical MDL values by USEPA Method 6020, which vary from of 0.18 to 0.68 µg/L depending on the laboratory and lower than the PQL of 2 µg/L for arsenic by USEPA Method 6020. Therefore, any arsenic detection will exceed the arsenic groundwater CUL.

Historically, arsenic has been detected at concentrations greater than the MDL and therefore greater than the groundwater CUL in samples collected from MW-3, MW-10, MW-12, and MW-28 located in the North Yard; MW-

9, MW-11, MW-15, MW-19, MW-20, MW-21, MW-22, MW-29, and MW-30 located in the Public ROW; and AGI-2, MLU-3, MW-4, MW-7, MW-8, MW-8A, MW-25, and MW-26 located in the South Yard. Arsenic was never observed at a concentration greater than the MDL in groundwater samples collected from MW-24 (North Yard), MW-14 (Public ROW), and MLU-1 (South Yard).

Arsenic concentrations observed onsite ranged from 0.298 J[1] µg/L (MW-4 in 2021) to 29.7 µg/L (MW-11 in 2009). The highest concentrations (greater than 10 µg/L) were detected in groundwater samples collected from MW-9, MW-11, MW-20, and MW-21 located in the Public ROW and in AGI-2, MW-4, MW-7, and MW-25 located in the South Yard. During the January 2022 event, arsenic was detected at concentrations greater than the MDL in the filtered groundwater samples from monitoring wells AGI-2, MW-7, MW-11, and MW-21, at estimated concentrations ranging from 10.2 J µg/L (AGI-2) to 27.3 J µg/L (MW-7).

Concentrations of lead in groundwater samples are generally in compliance with the groundwater CUL in the North Yard, Public ROW, and South Yard. Historically, there were nine instances where lead was detected at concentrations greater than the groundwater CUL.

[1] J = Laboratory qualifier indicating that the identification of the analyte is acceptable; the reported value is an estimate. See Appendix B for further details.

5 Compliance with the Cleanup Action Plan

Compliance with the CD (Ecology 1998) for soil and groundwater is discussed in this section.

5.1 Soil

In an email dated October 22, 2015, Ecology provided written notification that site remediation and/or natural attenuation have addressed impacts and no further action is required for soil in the vicinity of the shallow soil samples (depth of 2 feet bgs or less) collected in 1993 from the South Yard that exceeded soil CULs.

In a letter dated March 22, 2016 (Ecology 2016), Ecology provided written notification that no further remedial action is necessary to clean up contamination at the North Edge Site (i.e., North Yard) under the MTCA, and determined that no post-cleanup controls or monitoring are necessary under the MTCA. Confirmatory samples collected during the 2014 and 2015 remediation work indicated that COC concentrations in the North Yard are less than the MTCA Method A unrestricted soil CULs (AESI 2015).

The remaining limited petroleum hydrocarbon soil exceedances are located in the public ROW and South Yard within deeper soils that are at or near the groundwater table. Soil exceedances are observed for GRO, DRO, and naphthalene.

Pursuant to Section 5.3.2 of the CAP (Foster Wheeler 1998), soils in the saturated zone will be evaluated and addressed as part of the groundwater cleanup actions. The CD (Ecology 1998) defines two endpoints that must be met for saturated soil: petroleum hydrocarbon contamination must not be leaching to groundwater and no free product can be present (i.e., soil concentrations must not exceed residual saturation.) These endpoints are evaluated in Sections 5.1.1 and 5.1.2 to empirically demonstrate that the Site complies with these endpoints.

5.1.1 Compliance with Residual Saturation of Soils Endpoint

When petroleum hydrocarbons are released to soil, some of the liquid will dissolve in the soil pore water, some will adsorb to the soil particles, some will vaporize in the soil pore air, and some will be held by capillary force in liquid form (LNAPL) in the soil pore[2] spaces. The threshold concentration at which LNAPL becomes continuous in the soil pore space is called residual saturation. At concentrations less than residual saturation, the LNAPL exists in small, isolated blebs. At concentrations less than residual saturation, the isolated blebs are relatively immobile. At concentrations greater than residual saturation, the LNAPL can become connected to form streamers. LNAPL streamers can migrate downward under the force of gravity, and the LNAPL can reach groundwater if a sufficient volume is present.

The site-specific soil CULs for GRO (4,520 mg/kg) and DRO (5,140 mg/kg) were based on residual saturation. These residual saturation values are conservative in that they assume these COCs will shift to an LNAPL state at relatively low concentrations, which would more readily trigger further cleanup requirements than an assumption based on higher concentrations. Data provided in the Cleanup Levels and Risk Calculations under the Model Toxics Control Act Cleanup Regulation (Ecology 2001, p. 343) indicate that residual saturation values for silt to fine sand can actually range as high as 9,643 mg/kg for GRO and 22,857 mg/kg for DRO. Residual saturation

[2] Pore water is water found in the spaces between soil or sediment particles. See http://toxics.usgs.gov/definitions/pore_water.html (last visited March 19, 2014) and sources cited therein.

values for fine to medium sand can range as high as 5,625 mg/kg for GRO and 13,333 mg/kg for DRO. As such, the residual saturation values used in this evaluation are protective because they assume that GRO and DRO will shift to an LNAPL state at relatively low concentrations, when in fact that may not be the case and the contaminant mass may actually remain adsorbed within soil pore spaces at greater concentrations.

Under the MTCA, an empirical demonstration may be used to show that LNAPL in soil is not impacting groundwater if the following three criteria can be met as stated by WAC 173-340-747(10)(c):

- LNAPL is not accumulating on or in groundwater.
- The soil contamination has been present for a sufficient duration for LNAPL to reach groundwater.
- Site conditions will not change in the future to promote LNAPL migration.

The Site meets all criteria from WAC 173-340-747(10)(c) as summarized below:

- LNAPL has not been observed onsite since 2014.
- The Site has not been used for petroleum-related activities since KC Metro removed all diesel products in 1992, three decades ago.
- Given the relatively high hydraulic conductivity at the Site (see Section 4.1.3) and the age of the releases, soil contamination has been present for a sufficient amount of time for LNAPL to reach groundwater.
- Future site conditions will not change to promote LNAPL migration. The only source of LNAPL observed at the Site was in the North Yard and was fully remediated in 2014 and 2015.

This empirical demonstration successfully shows that the remaining limited exceedances of GRO and DRO soil CULs observed in the South Yard and Public ROW meet the three residual saturation criteria in WAC 173-340-747(10)(c). Accordingly, the South Yard and Public ROW soils comply with the residual saturation endpoint.

5.1.2 Compliance with Potential Leaching from Soil to Groundwater Endpoint

An empirical demonstration is used to establish compliance with WAC 173-340-740(3)(b)(iii)(A), by showing that the remaining COCs in site soils will not cause an exceedance of groundwater CULs. As defined under WAC 173-340-747(3)(f) and WAC 173-340-747(9), the following are required for the empirical demonstration:

- The measured groundwater concentration is less than or equal to the applicable groundwater CUL established under WAC 173-340-720.
- The measured soil concentration will not cause an exceedance of the applicable groundwater cleanup level established under WAC 173-340-720 at any time in the future. Specifically, it must be demonstrated that a sufficient amount of time has elapsed for migration of hazardous substances from soil into groundwater to occur and that the characteristics of the Site (e.g., depth to groundwater and infiltration) are representative of future site conditions. This demonstration may also include a measurement or calculation of the attenuating capacity of soil between the source of the hazardous substance and the groundwater table using site-specific data.

For the Site, compliance with the CD (Ecology 1998) is defined as meeting groundwater CULs at the designated compliance monitoring wells. Concentrations of benzene, toluene, ethylbenzene, naphthalene, and cPAHs in groundwater samples have been in compliance with groundwater CULs in the North Yard, Public ROW, and

South Yard since December 2016, with the exception of one benzene detection greater than the groundwater CUL in the sample collected from South Yard monitoring well AGI-2 in December 2019. This empirical demonstration shows that remaining COCs in site soils comply with the leaching-to-groundwater endpoint because those soil concentrations are not causing exceedances of groundwater CULs at designated POCs.

5.2 Groundwater

Under the CD (Ecology 1998), the POCs are defined as designated monitoring wells along the southwesterly margin of the Public ROW and in the South Yard. At each of these wells, groundwater currently meets CULs (i.e., MTCA Method B surface water CULs) with the exception of arsenic. Therefore, groundwater is in compliance with the CD (Ecology 1998) except for arsenic.

5.2.1 Petroleum Hydrocarbons

Concentrations of benzene, toluene, ethylbenzene, naphthalene and cPAHs in groundwater samples have been in compliance with groundwater CULs in the North Yard, Public ROW, and South Yard since December 2016, except one benzene detection greater than the groundwater CUL in the sample collected from South Yard monitoring well AGI-2 in December 2019. Consecutive sampling events where the COC concentrations comply with the groundwater CULs in POC wells are presented in Table 7.

5.2.2 Arsenic

The arsenic groundwater CUL of 0.0982 µg/L is lower than the MDL or the PQL for arsenic by USEPA Method 6020. Therefore, arsenic concentrations must be non-detect to meet the CUL, and estimated concentrations of arsenic (between the MDL and PQL) are considered exceedances of the CUL. Historically, arsenic has been detected at concentrations greater than the CUL in groundwater samples collected from the North Yard, South Yard, and Public ROW.

During the last five consecutive semiannual groundwater monitoring events, arsenic was detected at concentrations greater than the PQL (2 ug/L) in filtered groundwater samples from six of the 11 compliance monitoring wells AGI-2, MW-4, MW-7, MW-20, MW-21, and MW-25. Arsenic was also detected at concentrations greater than the PQL in filtered groundwater sample from monitoring well MW-11. Arsenic was detected at concentrations greater than the Ecology identified background value of 8 ug/L for the Puget Sound Basin in filtered groundwater samples from four of the 11 compliance monitoring wells AGI-2, MW-4, MW-7 and MW-21 (Ecology 2022a). Arsenic was also detected at concentrations greater than the Ecology identified background value of 8 ug/L in filtered groundwater sample from monitoring well MW-11.

During the most recent event conducted in January 2022, arsenic was detected at concentrations greater than both background levels and the PQL in filtered groundwater samples from monitoring wells AGI-2, MW-7, MW-11, and MW-21 at estimated concentrations ranging from 10.2 J µg/L (AGI-2) to 27.3 J µg/L (MW-7). Arsenic was not detected in 12 of the 16 wells sampled (MW-4, MW-8A, MW-15, MW-19, MW-20, MW-22, MW-24, MW-25, MW-26, MW-29, MLU-1, and MLU-3).

There are no specific sources of arsenic identified onsite. Arsenic concentrations in groundwater did not decrease following the remediation conducted by Touchstone, suggesting that elevated arsenic concentrations were not

due to a source in the North Yard or related to elevated petroleum concentrations at the North Yard. The detected arsenic concentrations may be due to one or more of the following:

- Natural background concentrations of arsenic in groundwater As discussed in Section 3.2.2, Ecology identified a natural arsenic background value of 8 ug/L for groundwater in the Puget Sound Basin (Ecology 2022a).
- The Site is potentially located on the margin of the documented area-wide footprint of the former ASARCO smelter, a well-known source of arsenic in surface soils in the lower Puget Sound area.
- The historical shoreline of Lake Union was significantly altered prior to site operations (between approximately 1907 and 1919) by extensive fill placement conducted by others. The majority of the South Yard and the Public ROW are within this area of historical fill placement. Historical fill material contains anthropogenic materials, such as treated wood and wood debris that may be a source of arsenic.
- Potential geochemical conditions contributing to dissolution of arsenic from saturated soils.

6 Conclusions

This report was prepared to provide Ecology with the information it needs to complete a five-year review for the Site. This report documents the efforts undertaken to fully delineate each area of the Site, as well as the limited remaining impacts. Conclusions based on the information discussed in the report are summarized below:

- LNAPL is no longer observed at the Site and has not been observed in Site monitoring wells since 2014.
- Metals-contaminated soil was excavated and removed from the North Yard during the Phase I implementation of the CAP (Foster Wheeler 1998). Touchstone's remediation and redevelopment of the North Yard removed the only remaining source area of petroleum hydrocarbons. Residual concentrations of petroleum hydrocarbons in soil at the North Yard are less than the MTCA Method A unrestricted soil CULs (AESI 2015).
- Shallow hand auger soil samples collected in 1993 exceeded soil CULs. After a comparison of nearby soil sampling results collected in 2015, Ecology confirmed that site remediation and/or natural attenuation had addressed impacts to soil in the vicinity of the 1993 samples and that no further cleanup action is required for soil in this area.
- The remaining limited petroleum hydrocarbon soil exceedances are located in the Public ROW and the South Yard within deeper soils that are at or near the groundwater table. Soil exceedances in this area have been observed for GRO, DRO, and naphthalene. However, an empirical demonstration successfully shows that these remaining limited exceedances meet the three residual saturation criteria in WAC 173-340-747(10)(c) and meet the criteria of WAC 173-340-740(3)(b)(iii)(A), by showing that remaining COCs in site soils will not cause an exceedance of groundwater CULs.

The only remaining requirement of the CD (Ecology 1998) consists of demonstrating that groundwater is complying with the site CULs for five consecutive semiannual groundwater monitoring events. Groundwater currently complies with all CULs except for arsenic, for which the CUL is less than the PQL of 2ug/L as described in Section 5.2.2. During the most recent sampling event in January 2022, arsenic was detected at concentrations greater than the Ecology identified background value of 8 ug/L for the Puget Sound Basin in dissolved groundwater samples from MW-7, AGI-2, MW-11, and MW-21. There are no specific sources of arsenic identified onsite.

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Tables

Table 1
Groundwater Elevation and LNAPL Monitoring and Removal Data
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-3	North Yard	08/11/99	104.07	--	--	--	--	No	--
MW-3	North Yard	10/22/99	104.07	--	--	--	--	No	--
MW-3	North Yard	05/24/01	104.07	10.25	9.99	0.26	--	No	94.03
MW-3	North Yard	06/27/01	104.07	--	--	--	--	No	--
MW-3	North Yard	03/18/02	104.07	9.28	8.59	0.69	--	No	95.34
MW-3	North Yard	12/31/02	104.07	--	--	--	--	No	--
MW-3	North Yard	03/26/03	104.07	7.02	--	0.00	--	No	97.05
MW-3	North Yard	06/26/03	104.07	11.49	10.49	1.00	2.75	No	93.38
MW-3	North Yard	07/21/03	104.07	--	--	--	2.50	No	--
MW-3	North Yard	08/28/03	104.07	--	--	--	3.00	No	--
MW-3	North Yard	10/16/03	104.07	13.89	11.55	2.34	1.75	No	92.05
MW-3	North Yard	11/21/03	104.07	--	--	--	3.50	No	--
MW-3	North Yard	12/17/03	104.07	11.02	10.27	0.75	2.00	No	93.65
MW-3	North Yard	01/29/04	104.07	10.59	9.82	0.77	1.75	No	94.10
MW-3	North Yard	02/18/04	104.07	10.32	9.77	0.55	0.75	No	94.19
MW-3	North Yard	03/30/04	104.07	9.93	9.28	0.65	0.75	No	94.66
MW-3	North Yard	09/22/04	104.07	11.35	10.61	0.74	1.50	No	93.31
MW-3	North Yard	03/15/05	104.07	12.98	10.82	2.16	3.00	No	92.82
MW-3	North Yard	9/28/05*	104.07	11.25	--	<3.0	3.50	No	--
MW-3	North Yard	03/29/06	104.07	12.40	8.76	3.64	6.50	No	94.58
MW-3	North Yard	03/21/07	104.07	10.67	9.13	1.54	2.00	No	94.63
MW-3	North Yard	03/25/08	104.07	10.38	9.73	0.65	1.00	No	94.21
MW-3	North Yard	09/08-09/08	104.07	11.02	10.55	0.47	1.50	Yes	93.43
MW-3	North Yard	12/11/08	104.07	12.10	10.79	1.31	2.50	Yes	93.02
MW-3	North Yard	03/30-31/09	104.07	9.70	--	0.00	0.00	Yes	94.37
MW-3	North Yard	06/15/09	104.07	10.97	9.79	1.18	2.50[4]	Yes	94.04
MW-3	North Yard	09/10-11/09	104.07	12.21	10.94	1.27	1.66[4]	Yes	92.88
MW-3	North Yard	02/23/10	104.07	11.25	8.75	2.50	1.75[4]	Yes	94.82
MW-3	North Yard	03/15/10	104.07	11.25	8.60	2.65	2.50[5]	Yes	94.94
MW-3	North Yard	03/23/12	104.07	12.00	11.90	0.10	0.50	Yes	92.15
MW-3	North Yard	06/01/12	104.07	--	--	--	--	Yes	--
MW-3	North Yard	04/22/13	104.07	--	--	--	--	Yes	--
MW-3	North Yard	06/26/13	104.07	--	--	--	--	Yes	--
MW-3	North Yard	09/18/13	104.07	--	--	--	--	Yes	--
MW-3	North Yard	10/14/13	104.07	--	--	--	--	Yes	--
MW-3	North Yard	03/27/14	104.07	22.78	--	0.00	--	Yes	81.29
MW-3	North Yard	06/10/14	104.07	11.88	6.97	4.91	5.00	Yes	96.12
MW-3	North Yard	07/22/14	104.07	10.52	9.83	0.69	--	Yes	94.10
MW-4	South Yard	08/10/99	--	--	--	--	--	--	--
MW-4	South Yard	10/20/99	--	--	--	--	--	--	--
MW-4	South Yard	07/26/01	--	15.46	--	0.00	--	--	--
MW-4	South Yard	10/11/02	--	--	--	--	--	--	--
MW-4	South Yard	12/31/02	--	16.88	--	0.00	--	--	--
MW-4	South Yard	02/27/03	--	16.22	--	0.00	--	--	--
MW-4	South Yard	03/26/03	--	15.38	--	0.00	--	--	--
MW-4	South Yard	04/28/03	--	15.12	--	0.00	--	--	--

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1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-4	South Yard	05/30/03	--	15.02	--	0.00	--	--	--
MW-4	South Yard	06/25/03	--	15.39	--	0.00	--	--	--
MW-4	South Yard	09/16/03	--	16.76	--	0.00	--	--	--
MW-4	South Yard	12/15/03	--	16.80	--	0.00	--	--	--
MW-4	South Yard	03/25/04	--	15.85	--	0.00	--	--	--
MW-4	South Yard	09/22/04	--	15.94	--	0.00	--	--	--
MW-4	South Yard	03/14/05	--	16.26	--	0.00	--	--	--
MW-4	South Yard	03/29/06	--	15.71	--	0.00	--	--	--
MW-4	South Yard	03/21/07	--	15.77	--	0.00	--	--	--
MW-4	South Yard	03/25/08	--	15.78	--	0.00	--	--	--
MW-4	South Yard	09/08-09/08	--	15.91	--	0.00	--	--	--
MW-4	South Yard	12/11/08	--	--	--	--	--	--	--
MW-4	South Yard	03/30-31/09	--	15.54	--	0.00	--	--	--
MW-4	South Yard	09/10-11/09	--	16.39	--	0.00	--	--	--
MW-4	South Yard	03/15/10	--	12.67	--	0.00	--	--	--
MW-4	South Yard	09/15/10	--	16.25	--	0.00	--	--	--
MW-4	South Yard	03/14/11	--	15.55	--	0.00	--	--	--
MW-4	South Yard	09/25/11	33.92	16.55	--	0.00	--	--	17.37
MW-4	South Yard	10/10/11	33.92	16.20	--	0.00	--	--	17.72
MW-4	South Yard	06/21/12	33.92	14.49	--	0.00	--	--	19.43
MW-4	South Yard	09/20/12	33.92	16.60	--	0.00	--	--	17.32
MW-4	South Yard	09/21/12	33.92	16.59	--	0.00	--	--	17.33
MW-4	South Yard	12/26/12	33.92	16.62	--	0.00	--	--	17.30
MW-4	South Yard	04/22/13	33.92	15.18	--	0.00	--	--	18.74
MW-4	South Yard	06/26/13	33.92	15.15	--	0.00	--	--	18.77
MW-4	South Yard	09/18/13	33.92	15.98	--	0.00	--	--	17.94
MW-4	South Yard	10/14/13	33.92	16.26	--	0.00	--	--	17.66
MW-4	South Yard	03/27/14	33.92	15.69	--	0.00	--	--	18.23
MW-4	South Yard	06/10/14	33.92	15.05	--	0.00	--	--	18.87
MW-4	South Yard	11/11/15	33.92	16.52	--	0.00	--	--	17.40
MW-4	South Yard	04/18/16	33.92	13.31	--	0.00	--	--	20.61
MW-4	South Yard	12/07/16	33.92	16.78	--	0.00	--	--	17.14
MW-4	South Yard	06/21/17	33.92	14.99	--	0.00	--	--	18.93
MW-4	South Yard	12/05/17	33.92	16.72	--	0.00	--	--	17.20
MW-4	South Yard	06/26/18	33.92	15.38	--	0.00	--	--	18.54
MW-4	South Yard	11/27/18	33.92	16.59	--	0.00	--	--	17.33
MW-4	South Yard	06/20/19	33.92	15.33	--	0.00	--	--	18.59
MW-4	South Yard	12/17/19	33.92	16.96	--	0.00	--	--	16.96
MW-4	South Yard	06/10/20	33.92	15.19	--	0.00	--	--	18.73
MW-4	South Yard	11/10/20	33.92	16.64	--	0.00	--	--	17.28
MW-4	South Yard	06/28/21	33.92	15.11	--	0.00	--	--	18.81
MW-4	**South Yard**	**01/06/22**	**33.92**	**16.30**	**--**	**0.00**	**--**	**--**	**17.62**
MW-7	South Yard	08/10/99	98.39	--	--	--	--	--	--
MW-7	South Yard	10/20/99	98.39	--	--	--	--	--	--
MW-7	South Yard	07/26/01	98.39	12.61	--	0.00	--	--	85.78
MW-7	South Yard	04/03/02	98.39	13.03	--	0.00	--	--	85.36

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-7	South Yard	07/02/02	98.39	12.13	--	0.00	--	--	86.26
MW-7	South Yard	09/03/02	98.39	13.76	--	0.00	--	--	84.63
MW-7	South Yard	10/11/02	98.39	14.87	--	0.00	--	--	83.52
MW-7	South Yard	03/26/03	98.39	13.12	--	0.00	--	--	85.27
MW-7	South Yard	04/28/03	98.39	12.33	--	0.00	--	--	86.06
MW-7	South Yard	05/30/03	98.39	11.76	--	0.00	--	--	86.63
MW-7	South Yard	06/25/03	98.39	13.14	--	0.00	--	--	85.25
MW-7	South Yard	09/16/03	98.39	13.93	--	0.00	--	--	84.46
MW-7	South Yard	12/15/03	98.39	13.96	--	0.00	--	--	84.43
MW-7	South Yard	03/21/07	98.39	--	--	--	--	--	--
MW-7	South Yard	03/25/08	98.39	--	--	--	--	--	--
MW-7	South Yard	09/08-09/08	98.39	--	--	--	--	--	--
MW-7	South Yard	12/11/08	98.39	--	--	--	--	--	--
MW-7	South Yard	03/30-31/09	98.39	--	--	--	--	--	--
MW-7	South Yard	09/10-11/09	98.39	--	--	--	--	--	--
MW-7	South Yard	03/15/1011	98.39	13.07	--	0.00	--	--	85.32
MW-7	South Yard	09/15/10	98.39	13.40	--	0.00	--	--	84.99
MW-7	South Yard	03/14/11	98.39	12.85	--	0.00	--	--	85.54
MW-7	South Yard	06/21/12	31.13	12.19	--	0.00	--	--	18.94
MW-7	South Yard	09/20/12	31.13	13.74	--	0.00	--	--	17.39
MW-7	South Yard	12/26/12	31.13	15.67	--	0.00	--	--	15.46
MW-7	South Yard	04/22/13	31.13	12.40	--	0.00	--	--	18.73
MW-7	South Yard	06/26/13	31.13	12.30	--	0.00	--	--	18.83
MW-7	South Yard	09/18/13	31.13	13.15	--	0.00	--	--	17.98
MW-7	South Yard	10/14/13	31.13	13.37	--	0.00	--	--	17.76
MW-7	South Yard	03/27/14	31.13	12.82	--	0.00	--	--	18.31
MW-7	South Yard	06/10/14	31.13	12.21	--	0.00	--	--	18.92
MW-7	South Yard	11/11/15	31.13	13.81	--	0.00	--	--	17.32
MW-7	South Yard	04/18/16	31.13	12.43	--	0.00	--	--	18.70
MW-7	South Yard	12/07/16	31.13	13.88	--	0.00	--	--	17.25
MW-7	South Yard	06/12/17	31.13	12.20	--	0.00	--	--	18.93
MW-7	South Yard	12/05/17	31.13	13.90	--	0.00	--	--	17.23
MW-7	South Yard	06/26/18	31.13	12.47	--	0.00	--	--	18.66
MW-7	South Yard	11/27/18	31.13	13.78	--	0.00	--	--	17.35
MW-7	South Yard	06/20/19	31.13	12.50	--	0.00	--	--	18.63
MW-7	South Yard	12/17/19	31.13	14.10	--	0.00	--	--	17.03
MW-7	South Yard	06/10/20	31.13	12.20	--	0.00	--	--	18.93
MW-7	South Yard	11/10/20	31.13	13.77	--	0.00	--	--	17.36
MW-7	South Yard	06/28/21	31.13	12.27	--	0.00	--	--	18.86
MW-7	**South Yard**	**01/06/22**	**31.13**	**13.55**	**--**	**0.00**	**--**	**--**	**17.58**
MW-8	South Yard	08/09/99	97.87	--	--	--	--	--	--
MW-8	South Yard	10/20/99	97.87	13.06	--	0.00	--	--	84.81
MW-8	South Yard	01/06/00	97.87	--	--	--	--	--	--
MW-8	South Yard	04/12/00	97.87	12.57	--	0.00	--	--	85.30
MW-8	South Yard	06/27/00	97.87	12.61	--	0.00	--	--	85.26
MW-8	South Yard	09/28/00	97.87	12.88	--	0.00	--	--	84.99

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-8	South Yard	01/15/01	97.87	13.70	--	0.00	--	--	84.17
MW-8	South Yard	06/21/01	97.87	11.77	--	0.00	--	--	86.10
MW-8	South Yard	07/26/01	97.87	12.18	--	0.00	--	--	85.69
MW-8	South Yard	03/19/02	97.87	12.84	--	0.00	--	--	85.03
MW-8	South Yard	04/03/02	97.87	12.48	--	0.00	--	--	85.39
MW-8	South Yard	05/07/02	97.87	11.86	--	0.00	--	--	86.01
MW-8	South Yard	06/06/02	97.87	12.39	--	0.00	--	--	85.48
MW-8	South Yard	07/02/02	97.87	11.79	--	0.00	--	--	86.08
MW-8	South Yard	09/03/02	97.87	13.24	--	0.00	--	--	84.63
MW-8	South Yard	10/11/02	97.87	14.04	--	0.00	--	--	83.83
MW-8	South Yard	12/31/02	97.87	13.69	--	0.00	--	--	84.18
MW-8	South Yard	03/26/03	97.87	12.23	--	0.00	--	--	85.64
MW-8	South Yard	04/28/03	97.87	12.87	--	0.00	--	--	85.00
MW-8	South Yard	05/30/03	97.87	11.80	--	0.00	--	--	86.07
MW-8	South Yard	06/25/03	97.87	12.20	--	0.00	--	--	85.67
MW-8	South Yard	09/15/03	97.87	13.45	--	0.00	--	--	84.42
MW-8A	South Yard	12/15/03	97.60	13.32	--	0.00	--	--	84.28
MW-8A	South Yard	03/25/04	97.60	12.24	--	0.00	--	--	85.36
MW-8A	South Yard	09/23/04	97.60	12.30	--	0.00	--	--	85.30
MW-8A	South Yard	03/14/05	97.60	12.68	--	0.00	--	--	84.92
MW-8A	South Yard	03/29/06	97.60	12.14	--	0.00	--	--	85.46
MW-8A	South Yard	03/21/07	97.60	12.21	--	0.00	--	--	85.39
MW-8A	South Yard	03/25/08	97.60	12.13	--	0.00	--	--	85.47
MW-8A	South Yard	09/08-09/08	97.60	12.32	--	0.00	--	--	85.28
MW-8A	South Yard	12/11/08	97.60	--	--	--	--	--	--
MW-8A	South Yard	03/30-31/09	97.60	12.04	--	0.00	--	--	85.56
MW-8A	South Yard	09/10-11/09	97.60	12.80	--	0.00	--	--	84.80
MW-8A	South Yard	03/15/10	97.60	12.23	--	0.00	--	--	85.37
MW-8A	South Yard	09/15/10	97.60	12.66	--	0.00	--	--	84.94
MW-8A	South Yard	03/14/11	97.60	12.19	--	0.00	--	--	85.41
MW-8A	South Yard	11/16/11	30.31	13.14	--	0.00	--	--	17.17
MW-8A	South Yard	06/21/12	30.31	11.45	--	0.00	--	--	18.86
MW-8A	South Yard	09/20/12	30.31	12.97	--	0.00	--	--	17.34
MW-8A	South Yard	09/21/12	30.31	12.97	--	0.00	--	--	17.34
MW-8A	South Yard	12/26/12	30.31	13.07	--	0.00	--	--	17.24
MW-8A	South Yard	04/23/13	30.31	11.70	--	0.00	--	--	18.61
MW-8A	South Yard	06/26/13	30.31	11.50	--	0.00	--	--	18.81
MW-8A	South Yard	09/18/13	30.31	12.37	--	0.00	--	--	17.94
MW-8A	South Yard	10/14/13	30.31	12.65	--	0.00	--	--	17.66
MW-8A	South Yard	03/27/14	30.31	12.21	--	0.00	--	--	18.10
MW-8A	South Yard	06/10/14	30.31	11.49	--	0.00	--	--	18.82
MW-8A	South Yard	11/11/15	30.31	12.41	--	0.00	--	--	17.90
MW-8A	South Yard	04/18/16	30.31	11.70	--	0.00	--	--	18.61
MW-8A	South Yard	12/07/16	30.31	13.26	--	0.00	--	--	17.05
MW-8A	South Yard	06/21/17	30.31	11.59	--	0.00	--	--	18.72
MW-8A	South Yard	12/05/17	30.31	12.60	--	0.00	--	--	17.71

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-8A	South Yard	06/26/18	30.31	11.89	--	0.00	--	--	18.42
MW-8A	South Yard	11/27/18	30.31	12.14	--	0.00	--	--	18.17
MW-8A	South Yard	06/20/19	30.31	11.69	--	0.00	--	--	18.62
MW-8A	South Yard	12/17/19	30.31	13.41	--	0.00	--	--	16.90
MW-8A	South Yard	06/10/20	30.31	11.48	--	0.00	--	--	18.83
MW-8A	South Yard	11/10/20	30.31	13.08	--	0.00	--	--	17.23
MW-8A	South Yard	06/28/21	30.31	11.70	--	0.00	--	--	18.61
MW-8A	**South Yard**	**01/06/22**	**30.31**	**12.40**	**--**	**0.00**	**--**	**--**	**17.91**
MW-9	ROW	08/11/99	103.67	--	--	--	--	No	--
MW-9	ROW	10/21/99	103.67	--	--	--	--	No	--
MW-9	ROW	05/24/01	103.67	14.07	14.02	0.05	--	No	89.64
MW-9	ROW	06/21/01	103.67	13.78	13.74	0.04	--	No	89.92
MW-9	ROW	06/27/01	103.67	13.79	--	0.00	--	No	89.88
MW-9	ROW	03/18/02	103.67	13.51	12.82	0.69	--	No	90.71
MW-9	ROW	10/16/02	103.67	--	--	0.54	--	No	--
MW-9	ROW	11/11/02	103.67	--	--	0.90	--	No	--
MW-9	ROW	12/31/02	103.67	--	--	0.91	--	No	--
MW-9	ROW	02/27/03	103.67	--	--	0.02	--	No	--
MW-9	ROW	03/26/03	103.67	--	--	0.09	--	No	--
MW-9	ROW	04/28/03	103.67	13.25	13.18	0.07	--	No	90.48
MW-9	ROW	05/30/03	103.67	13.52	13.43	0.09	--	No	90.22
MW-9	ROW	06/26/03	103.67	13.90	13.86	0.04	0.10	No	89.80
MW-9	ROW	07/21/03	103.67	--	--	0.21	2.00	No	--
MW-9	ROW	08/28/03	103.67	--	--	0.23	0.75	No	--
MW-9	ROW	10/16/03	103.67	15.98	15.41	0.57	2.00	No	88.15
MW-9	ROW	11/21/03	103.67	--	--	0.01	0.25	No	--
MW-9	ROW	12/17/03	103.67	--	--	0.00	0.00	No	--
MW-9	ROW	01/29/04	103.67	14.16	14.13	0.03	0.10	No	89.53
MW-9	ROW	02/18/04	103.67	11.11	10.94	0.17	0.25	No	92.70
MW-9	ROW	03/25/04	103.67	13.66	--	0.00	--	No	90.01
MW-9	ROW	03/30/04	103.67	13.80	13.69	0.11	0.25	No	89.96
MW-9	ROW	09/22/04	103.67	9.52	9.49	0.03	0.25	No	94.17
MW-9	ROW	03/15/05	103.67	14.81	14.52	0.29	0.25	No	89.09
MW-9	ROW	09/28/05	103.67	15.31	15.06	0.25	<0.01	No	88.56
MW-9	ROW	03/29/06	103.67	13.26	13.00	0.26	<0.5	No	90.62
MW-9	ROW	03/21/07	103.67	13.73	13.41	0.32	0.19	No	90.20
MW-9	ROW	03/25/08	103.67	13.93	--	0.00	<0.25	No	89.74
MW-9	ROW	09/08-09/08	103.67	14.23	14.22	0.01	0.00	Yes	89.45
MW-9	ROW	12/11/08	103.67	15.16	15.11	0.05	0.02	Yes	88.55
MW-9	ROW	03/30-31/09	103.67	14.06	--	0.00	--	Yes	89.61
MW-9	ROW	06/15/09	103.67	13.32	--	0.00	--	Yes	90.35
MW-9	ROW	09/10-11/09	103.67	14.80	--	0.00	--	Yes	88.87
MW-9	ROW	02/23/10	103.67	13.10	12.80	0.30	0.21[4]	Yes	90.81
MW-9	ROW	03/15/10	103.67	13.33	13.10	0.23	0.18[4]	Yes	90.52
MW-9	ROW	09/15/10[1]	103.67	15.05	14.50	0.55	0.20[4]	Yes	89.06
MW-9	ROW	12/04/10[1]	103.67	14.50	14.37	0.13	0.20[4]	Yes	89.27

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-9	ROW	3/14/2011[1]	103.67	12.71	--	0.00	--	Yes	90.96
MW-9	ROW	9/24/2011[1]	36.46	14.62	--	0.00	--	Yes	21.84
MW-9	ROW	12/08/2011[1]	36.46	12.87	--	0.00	--	Yes	23.59
MW-9	ROW	03/23/12	36.46	10.55	10.35	0.20	0.50	Yes	26.07
MW-9	ROW	06/01/12	36.46	11.75	11.55	0.20	1.00	Yes	24.87
MW-9	ROW	09/20/12	36.46	14.47	13.95	0.52	--	Yes	22.41
MW-9	ROW	12/26/12	36.46	11.60	10.60	1.00	--	Yes	25.66
MW-9	ROW	04/22/13	36.46	11.07	10.40	0.67	--	Yes	25.93
MW-9	ROW	06/26/13	36.46	12.45	12.30	0.15	--	Yes	24.13
MW-9	ROW	09/18/13	36.46	14.51	14.20	0.31	--	Yes	22.20
MW-9	ROW	10/14/13	36.46	14.10	13.99	0.11	--	Yes	22.45
MW-9	ROW	03/27/14	36.46	11.93	11.76	0.17	--	Yes	24.67
MW-9	ROW	06/10/14	36.46	12.22	12.19	0.03	0.05	Yes	24.26
MW-9R	ROW	07/22/14	36.33	13.31	--	0.00	--	Yes	23.02
MW-9R	ROW	09/26/14	36.33	13.20	--	0.00	--	Yes	23.13
MW-9R	ROW	10/30/14	36.33	13.35	--	0.00	--	Yes	22.98
MW-9R	ROW	12/01/14	36.33	21.40	--	0.00	--	Yes	14.93
MW-9R	ROW	02/20/15	36.33	21.63	--	0.00	--	No	14.70
MW-9R	ROW	11/11/15	36.33	--	--	--	--	--	--
MW-9R	ROW	04/18/16	36.33	--	--	--	--	--	--
MW-9R	ROW	12/07/16	36.34	14.71	--	0.00	--	--	21.63
MW-9R	ROW	06/21/17	36.34	13.42	--	0.00	--	--	22.92
MW-9R	ROW	12/05/17	36.34	14.92	--	0.00	--	--	21.42
MW-9R	ROW	06/26/18	36.34	14.37	--	0.00	--	--	21.97
MW-9R	ROW	11/27/18	36.34	15.27	--	0.00	--	--	21.07
MW-9R	ROW	06/20/19	36.34	13.97	--	0.00	--	--	22.37
MW-9R	ROW	12/17/19	36.34	15.72	--	0.00	--	--	20.62
MW-9R	ROW	06/10/20	36.34	13.88	--	0.00	--	--	22.46
MW-9R	ROW	11/10/20	36.34	14.68	--	0.00	--	--	21.66
MW-9R	ROW	06/28/21	36.34	15.12	--	0.00	--	--	21.22
MW-9R	**ROW**	**01/06/22**	**36.34**	**14.00**	**--**	**0.00**	**--**	**--**	**22.34**
MW-10	North Yard	08/11/99	100.30	--	--	--	--	No	--
MW-10	North Yard	10/21/99	100.30	--	--	--	--	No	--
MW-10	North Yard	04/12/00	100.30	7.34	--	0.00	--	No	92.96
MW-10	North Yard	06/27/00	100.30	8.95	--	0.00	--	No	91.35
MW-10	North Yard	09/28/00	100.30	10.08	--	0.00	--	No	90.22
MW-10	North Yard	01/15/01	100.30	10.16	--	0.00	--	No	90.14
MW-10	North Yard	05/24/01	100.30	9.14	--	0.00	--	No	91.16
MW-10	North Yard	06/21/01	100.30	7.97	--	0.00	--	No	92.33
MW-10	North Yard	06/27/01	100.30	9.07	--	0.00	--	No	91.23
MW-10	North Yard	03/18/02	100.30	7.09	--	0.00	--	No	93.21
MW-10	North Yard	07/02/02	100.30	8.37	--	0.00	--	No	91.93
MW-10	North Yard	09/28/02	100.30	10.08	--	0.00	--	No	90.22
MW-10	North Yard	12/31/02	100.30	--	--	0.96	--	No	--
MW-10	North Yard	02/27/03	100.30	--	--	0.17	--	No	--
MW-10	North Yard	03/26/03	100.30	--	--	0.04	--	No	--

Table 1
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1602 North Northlake Way
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Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-10	North Yard	04/28/03	100.30	8.80	--	0.00	--	No	91.50
MW-10	North Yard	05/30/03	100.30	8.76	--	0.00	--	No	91.54
MW-10	North Yard	06/26/03	100.30	8.99	8.69	0.30	6.00	No	91.55
MW-10	North Yard	07/21/03	100.30	--	--	0.06	1.00	No	--
MW-10	North Yard	08/28/03	100.30	--	--	0.14	6.00	No	--
MW-10	North Yard	10/16/03	100.30	11.56	10.54	1.02	18.50	No	89.56
MW-10	North Yard	11/21/03	100.30	--	--	1.33	7.00	No	--
MW-10	North Yard	12/17/03	100.30	--	--	0.15	0.75	No	--
MW-10	North Yard	01/29/04	100.30	8.61	8.61	0.00	--	No	91.69
MW-10	North Yard	02/18/04	100.30	8.72	8.58	0.14	0.25	No	91.69
MW-10	North Yard	03/30/04	100.30	8.47	8.41	0.06	0.25	No	91.88
MW-10	North Yard	09/22/04	100.30	9.64	9.56	0.08	0.50	No	90.72
MW-10	North Yard	03/15/05	100.30	10.20	9.83	0.37	0.25	No	90.40
MW-10	North Yard	10/04/05	100.30	11.20	10.39	0.81	1.75	No	89.75
MW-10	North Yard	03/29/06	100.30	8.35	7.63	0.72	2.00	No	92.53
MW-10	North Yard	03/21/07	100.30	7.95	7.49	0.46	0.44	No	92.72
MW-10	North Yard	03/25/08	100.30	8.68	8.68	0.00	0.00	No	91.62
MW-10	North Yard	09/08-09/08	100.30	9.39	9.34	0.05	0.20	Yes	90.95
MW-10	North Yard	12/11/08	100.30	9.90	9.59	0.31	1.00	Yes	90.65
MW-10	North Yard	03/30-31/09	100.30	8.44	8.20	0.24	1.11[4]	Yes	92.05
MW-10	North Yard	06/15/09	100.30	8.31	8.10	0.21	0.34[4]	Yes	92.16
MW-10	North Yard	09/10-11/09	100.30	10.14	10.12	0.02	0.00	Yes	90.18
MW-10	North Yard	02/23/10	100.30	7.14	7.13	0.01	0.00	Yes	93.17
MW-10	North Yard	03/15/10	100.30	7.24	--	0.00	--	Yes	93.06
MW-10	North Yard	09/15/10	100.30	9.48	Sheen	Sheen	--	Yes	90.82
MW-10	North Yard	12/04/10	100.30	--	--	--	--	Yes	--
MW-10	North Yard	03/27/14	33.09	8.28	--	0.00	--	Yes	24.81
MW-10	North Yard	06/10/14	33.09	7.42	--	0.00	--	Yes	25.67
MW-10	North Yard	07/22/14	33.09	8.81	--	0.00	--	Yes	24.28
MW-11	ROW	08/11/99	100.59	--	--	--	--	--	--
MW-11	ROW	10/22/99	100.59	--	--	--	--	--	--
MW-11	ROW	06/21/01	100.59	11.30	--	0.00	--	--	89.29
MW-11	ROW	03/18/02	100.59	10.96	--	0.00	--	--	89.63
MW-11	ROW	09/16/03	100.59	13.03	--	0.00	--	--	87.56
MW-11	ROW	12/15/03	100.59	13.92	--	0.00	--	--	86.67
MW-11	ROW	03/25/04	100.59	11.17	--	0.00	--	--	89.42
MW-11	ROW	09/22/04	100.59	12.05	--	0.00	--	--	88.54
MW-11	ROW	03/14/05	100.59	11.90	--	0.00	--	--	88.69
MW-11	ROW	03/29/06	100.59	10.32	--	0.00	--	--	90.27
MW-11	ROW	03/21/07	100.59	8.36	--	0.00	--	--	92.23
MW-11	ROW	03/25/08	100.59	9.38	--	0.00	--	--	91.21
MW-11	ROW	09/08-09/08	100.59	10.35	--	0.00	--	--	90.24
MW-11	ROW	12/11/08	100.59	10.63	--	0.00	--	--	89.96
MW-11	ROW	03/30-31/09	100.59	9.60	--	0.00	--	--	90.99
MW-11	ROW	06/15/09	100.59	--	--	--	--	--	--
MW-11	ROW	09/10-11/09	100.61	8.07	--	0.00	--	--	92.54

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Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-11	ROW	02/23/10	100.61	8.60	--	0.00	--	--	92.01
MW-11	ROW	03/15/10	100.61	8.75	--	0.00	--	--	91.86
MW-11	ROW	09/15/10	100.61	10.27	--	0.00	--	--	90.34
MW-11	ROW	12/04/10	100.61	10.37	--	0.00	--	--	90.24
MW-11	ROW	03/14/11	33.29	9.33	--	0.00	--	--	23.96
MW-11	ROW	10/14/13	33.29	11.04	--	0.00	--	--	22.25
MW-11	ROW	03/27/14	33.29	9.38	--	0.00	--	--	23.91
MW-11	ROW	06/10/14	33.29	9.53	--	0.00	--	--	23.76
MW-11	ROW	07/22/14	33.29	10.60	--	0.00	--	--	22.69
MW-11	ROW	02/20/15	33.29	15.79	--	0.00	--	--	17.50
MW-11	ROW	11/11/15	33.29	--	--	--	--	--	--
MW-11	ROW	04/18/16	33.29	11.82	--	0.00	--	--	21.47
MW-11	ROW	12/07/16	33.03	12.62	--	0.00	--	--	20.41
MW-11	ROW	06/21/17	33.03	11.32	--	0.00	--	--	21.71
MW-11	ROW	12/05/17	33.03	12.81	--	0.00	--	--	20.22
MW-11	ROW	06/26/18	33.03	12.24	--	0.00	--	--	20.79
MW-11	ROW	11/27/18	33.03	13.27	--	0.00	--	--	19.76
MW-11	ROW	06/20/19	33.03	11.98	--	0.00	--	--	21.05
MW-11	ROW	12/17/19	33.03	13.65	--	0.00	--	--	19.38
MW-11	ROW	06/10/20	33.03	11.60	--	0.00	--	--	21.43
MW-11	ROW	11/10/20	33.03	12.89	--	0.00	--	--	20.14
MW-11	ROW	06/28/21	33.03	10.69	--	0.00	--	--	22.34
MW-11	**ROW**	**01/06/22**	**33.03**	**12.12**	**--**	**0.00**	**--**	**--**	**20.91**
MW-12	North Yard	08/11/99	100.11	--	--	--	--	No	--
MW-12	North Yard	10/21/99	100.11	--	--	--	--	No	--
MW-12	North Yard	05/24/01	100.11	8.30	--	0.00	--	No	91.81
MW-12	North Yard	06/21/01	100.11	--	--	--	--	No	
MW-12	North Yard	06/27/01	100.11	9.01	9.00	0.01	--	No	91.11
MW-12	North Yard	03/18/02	100.11	7.91	7.87	0.04	--	No	92.23
MW-12	North Yard	12/31/02	100.11	--	--	0.02	--	No	--
MW-12	North Yard	04/28/03	100.11	7.36	7.27	0.09	--	No	92.82
MW-12	North Yard	05/30/03	100.11	7.42	7.37	0.05	--	No	92.73
MW-12	North Yard	06/26/03	100.11	8.32	Sheen	Sheen	0.10	No	91.79
MW-12	North Yard	07/21/03	100.11	--	--	0.01	0.50	No	--
MW-12	North Yard	08/28/03	100.11	--	--	0.03	0.75	No	--
MW-12	North Yard	10/16/03	100.11	9.48	9.36	0.12	0.75	No	90.73
MW-12	North Yard	11/21/03	100.11	--	--	--	--	No	--
MW-12	North Yard	12/17/03	100.11	--	--	--	--	No	--
MW-12	North Yard	01/29/04	100.11	8.44	8.44	0.00	0.00	No	91.67
MW-12	North Yard	02/18/04	100.11	7.54	7.54	0.00	0.00	No	92.57
MW-12	North Yard	03/25/04	100.11	7.54	--	0.00	--	No	92.57
MW-12	North Yard	03/30/04	100.11	7.84	7.84	0.00	0.00	No	92.27
MW-12	North Yard	09/22/04	100.11	8.69	8.65	0.04	0.25	No	91.45
MW-12	North Yard	03/15/05	100.11	8.79	8.78	0.01	0.00	No	91.33
MW-12	North Yard	10/04/05	100.11	13.67	13.65	0.02	<0.01	No	86.46
MW-12	North Yard	03/29/06	100.11	7.51	7.51	0.00	0.00	No	92.60

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MW-12	North Yard	03/21/07	100.11	7.32	7.32	0.00	0.00	No	92.79
MW-12	North Yard	03/25/08	100.11	8.09	--	0.00	--	No	92.02
MW-12	North Yard	09/08-09/08	100.11	8.65	--	0.00	--	No	91.46
MW-12	North Yard	12/11/08	100.11	8.62	8.61	0.01	0.00	Yes	91.50
MW-12	North Yard	03/30-31/09	100.11	7.54	7.53	0.01	0.00	Yes	92.58
MW-12	North Yard	06/15/09	100.11	7.92	--	0.00	--	Yes	92.19
MW-12	North Yard	09/10-11/09	100.11	9.23	9.22	0.01	0.00	Yes	90.89
MW-12	North Yard	02/23/10	100.11	6.90	--	0.00	--	Yes	93.21
MW-12	North Yard	03/15/10	100.11	7.23	--	0.00	--	Yes	92.88
MW-12	North Yard	09/15/10	100.11	8.62	Sheen	Sheen	--	Yes	91.49
MW-12	North Yard	12/04/10	100.11	--	--	--	--	Yes	--
MW-12	North Yard	06/10/14	32.89	7.68	7.62	0.06	0.05	Yes	25.26
MW-12	North Yard	07/22/14	32.89	8.48	8.44	0.04	--	Yes	24.44
MW-14	ROW	07/26/01	98.87	13.05	--	0.00	--	--	85.82
MW-14	ROW	03/29/06	98.87	13.32	--	0.00	--	--	85.55
MW-14	ROW	03/21/07	98.87	13.33	--	0.00	--	--	85.54
MW-14	ROW	03/25/08	98.87	13.38	--	0.00	--	--	85.49
MW-14	ROW	09/08-09/08	98.87	13.50	--	0.00	--	--	85.37
MW-14	ROW	12/11/08	98.87	--	--	--	--	--	--
MW-14	ROW	03/30-31/09	98.87	13.10	--	0.00	--	--	85.77
MW-14	ROW	09/10-11/09	98.87	14.00	--	0.00	--	--	84.87
MW-14	ROW	03/15/10	98.87	13.49	--	0.00	--	--	85.38
MW-14	ROW	09/15/10	98.87	--	--	--	--	--	--
MW-14	ROW	03/27/14	31.61	--	--	--	--	--	--
MW-14	ROW	06/10/14	31.61	12.61	--	0.00	--	--	19.00
MW-14	ROW	11/11/15	31.61	14.24	--	0.00	--	--	17.37
MW-14	ROW	04/18/16	31.61	12.95	--	0.00	--	--	18.66
MW-14	ROW	12/07/16	31.60	14.72	--	0.00	--	--	16.88
MW-14	ROW	06/21/17	31.60	13.51	--	0.00	--	--	18.09
MW-14	ROW	12/05/17	31.60	14.01	--	0.00	--	--	17.59
MW-14	ROW	06/26/18	31.60	12.81	--	0.00	--	--	18.79
MW-14	ROW	11/27/18	31.60	15.23	--	0.00	--	--	16.37
MW-14	ROW	06/19/19	31.60	13.00	--	0.00	--	--	18.60
MW-14	ROW	12/17/19	31.60	14.60	--	0.00	--	--	17.00
MW-14	ROW	06/10/20	31.60	12.30	--	0.00	--	--	19.30
MW-14	ROW	11/10/20	31.60	14.24	--	0.00	--	--	17.36
MW-14	ROW	06/28/21	31.60	12.27	--	0.00	--	--	19.33
MW-14	ROW	**01/06/22**	**31.60**	**13.73**	**--**	**0.00**	**--**	**--**	**17.87**
MW-15	ROW	08/10/99	98.83	--	--	--	--	--	--
MW-15	ROW	10/20/99	98.83	13.96	--	0.00	--	--	84.87
MW-15	ROW	07/26/01	98.83	13.04	--	0.00	--	--	85.79
MW-15	ROW	03/18/02	98.83	13.62	--	0.00	--	--	85.21
MW-15	ROW	06/26/03	98.83	13.05	--	0.00	--	--	85.78
MW-15	ROW	09/16/03	98.83	14.35	--	0.00	--	--	84.48
MW-15	ROW	03/29/06	98.83	13.00	--	0.00	--	--	85.83
MW-15	ROW	03/21/07	98.83	13.33	--	0.00	--	--	85.50

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-15	ROW	03/25/08	98.83	13.36	--	0.00	--	--	85.47
MW-15	ROW	09/08-09/08	98.83	13.46	--	0.00	--	--	85.37
MW-15	ROW	12/11/08	98.83	--	--	--	--	--	--
MW-15	ROW	03/30-31/09	98.83	13.12	--	0.00	--	--	85.71
MW-15	ROW	09/10-11/09	98.83	13.97	--	0.00	--	--	84.86
MW-15	ROW	03/15/10	98.83	15.50	--	0.00	--	--	83.33
MW-15	ROW	09/15/10	98.83	15.87	--	0.00	--	--	82.96
MW-15	ROW	03/14/11	98.83	14.99	--	0.00	--	--	83.84
MW-15	ROW	03/27/14	31.60	--	--	--	--	--	--
MW-15	ROW	06/10/14	31.60	12.66	--	0.00	--	--	18.94
MW-15	ROW	11/11/15	31.60	14.29	--	0.00	--	--	17.31
MW-15	ROW	04/18/16	31.60	12.81	--	0.00	--	--	18.79
MW-15	ROW	12/07/16	31.60	14.58	--	0.00	--	--	17.02
MW-15	ROW	06/21/17	31.60	13.63	--	0.00	--	--	17.97
MW-15	ROW	12/05/17	31.60	13.92	--	0.00	--	--	17.68
MW-15	ROW	06/26/18	31.60	12.95	--	0.00	--	--	18.65
MW-15	ROW	11/27/18	31.60	14.11	--	0.00	--	--	17.49
MW-15	ROW	06/20/19	31.60	12.94	--	0.00	--	--	18.66
MW-15	ROW	12/17/19	31.60	14.55	--	0.00	--	--	17.05
MW-15	ROW	06/10/20	31.60	12.21	--	0.00	--	--	19.39
MW-15	ROW	11/10/20	31.60	14.23	--	0.00	--	--	17.37
MW-15	ROW	06/28/21	31.60	12.65	--	0.00	--	--	18.95
MW-15	**ROW**	**01/06/22**	**31.60**	**13.91**	**--**	**0.00**	**--**	**--**	**17.69**
MW-16	Offsite	03/21/07	--	14.49	--	0.00	--	--	--
MW-16	Offsite	03/25/08	--	15.25	--	0.00	--	--	--
MW-16	Offsite	09/08-09/08	--	18.51	--	0.00	--	--	--
MW-16	Offsite	12/11/08	--	--	--	--	--	--	--
MW-16	Offsite	03/30-31/09	--	16.11	--	0.00	--	--	--
MW-19	ROW	08/11/99	98.10	--	--	--	--	--	--
MW-19	ROW	10/20/99	98.10	--	--	--	--	--	--
MW-19	ROW	06/21/01	98.10	11.99	--	0.00	--	--	86.11
MW-19	ROW	06/26/03	98.10	12.02	--	0.00	--	--	86.08
MW-19	ROW	09/16/03	98.10	13.67	--	0.00	--	--	84.43
MW-19	ROW	12/15/03	98.10	13.60	--	0.00	--	--	84.50
MW-19	ROW	03/26/04	98.10	12.74	--	0.00	--	--	85.36
MW-19	ROW	09/23/04	98.10	12.82	--	0.00	--	--	85.28
MW-19	ROW	03/14/05	98.10	13.16	--	0.00	--	--	84.94
MW-19	ROW	03/29/06	98.10	12.63	--	0.00	--	--	85.47
MW-19	ROW	03/21/07	98.10	12.71	--	0.00	--	--	85.39
MW-19	ROW	03/25/08	98.10	12.70	--	0.00	--	--	85.40
MW-19	ROW	09/08-09/08	98.10	12.81	--	0.00	--	--	85.29
MW-19	ROW	12/11/08	98.10	--	--	--	--	--	--
MW-19	ROW	03/30-31/09	98.10	12.57	--	0.00	--	--	85.53
MW-19	ROW	09/10-11/09	98.10	13.30	--	0.00	--	--	84.80
MW-19	ROW	03/15/10	98.10	12.85	--	0.00	--	--	85.25
MW-19	ROW	09/15/10	98.10	13.18	--	0.00	--	--	84.92

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Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-19	ROW	11/16/11	30.87	13.62	--	0.00	--	--	17.25
MW-19	ROW	06/21/12	30.87	11.93	--	0.00	--	--	18.94
MW-19	ROW	09/20/12	30.87	13.50	--	0.00	--	--	17.37
MW-19	ROW	12/26/12	30.87	13.55	--	0.00	--	--	17.32
MW-19	ROW	04/24/13	30.87	12.18	--	0.00	--	--	18.69
MW-19	ROW	06/26/13	30.87	12.08	--	0.00	--	--	18.79
MW-19	ROW	09/18/13	30.87	12.91	--	0.00	--	--	17.96
MW-19	ROW	10/14/13	30.87	13.10	--	0.00	--	--	17.77
MW-19	ROW	03/27/14	30.87	12.63	--	0.00	--	--	18.24
MW-19	ROW	06/10/14	30.87	11.95	--	0.00	--	--	18.92
MW-19	ROW	07/22/14	30.87	12.73	--	0.00	--	--	18.14
MW-19	ROW	02/20/15	30.87	13.84	--	0.00	--	--	17.03
MW-19	ROW	11/11/15	30.87	13.68	--	0.00	--	--	17.19
MW-19	ROW	04/18/16	30.87	12.25	--	0.00	--	--	18.62
MW-19	ROW	12/07/16	30.91	13.85	--	0.00	--	--	17.06
MW-19	ROW	06/21/17	30.91	11.75	--	0.00	--	--	19.16
MW-19	ROW	12/05/17	30.91	13.31	--	0.00	--	--	17.60
MW-19	ROW	06/26/18	30.91	12.26	--	0.00	--	--	18.65
MW-19	ROW	11/27/18	30.91	13.68	--	0.00	--	--	17.23
MW-19	ROW	06/20/19	30.91	12.31	--	0.00	--	--	18.60
MW-19	ROW	12/17/19	30.91	13.88	--	0.00	--	--	17.03
MW-19	ROW	06/10/20	30.91	12.09	--	0.00	--	--	18.82
MW-19	ROW	11/10/20	30.91	13.57	--	0.00	--	--	17.34
MW-19	ROW	06/28/21	30.91	11.70	--	0.00	--	--	19.21
MW-19	**ROW**	**01/06/22**	**30.91**	**14.48**	**--**	**0.00**	**--**	**--**	**16.43**
MW-20	ROW	08/11/99	98.74	--	--	--	--	--	--
MW-20	ROW	10/20/99	98.74	13.99	--	0.00	--	--	84.75
MW-20	ROW	09/28/00	98.74	13.41	--	0.00	--	--	85.33
MW-20	ROW	06/21/01	98.74	12.61	--	0.00	--	--	86.13
MW-20	ROW	03/19/02	98.74	13.69	--	0.00	--	--	85.05
MW-20	ROW	06/26/03	98.74	12.92	--	0.00	--	--	85.82
MW-20	ROW	09/16/03	98.74	14.29	--	0.00	--	--	84.45
MW-20	ROW	12/15/03	98.74	14.34	--	0.00	--	--	84.40
MW-20	ROW	03/26/04	98.74	13.36	--	0.00	--	--	85.38
MW-20	ROW	03/14/05	98.74	13.80	--	0.00	--	--	84.94
MW-20	ROW	03/29/06	98.74	13.26	--	0.00	--	--	85.48
MW-20	ROW	03/21/07	98.74	13.33	--	0.00	--	--	85.41
MW-20	ROW	03/25/08	98.74	13.33	--	0.00	--	--	85.41
MW-20	ROW	09/08-09/08	98.74	13.42	--	0.00	--	--	85.32
MW-20	ROW	12/11/08	98.74	--	--	--	--	--	--
MW-20	ROW	03/30-31/09	98.74	--	--	--	--	--	--
MW-20	ROW	09/10-11/09	98.74	13.92	--	0.00	--	--	84.82
MW-20	ROW	03/15/10	98.74	13.46	--	0.00	--	--	85.28
MW-20	ROW	09/15/10	98.74	13.79	--	0.00	--	--	84.95
MW-20	ROW	11/16/11	31.49	14.22	--	0.00	--	--	17.27
MW-20	ROW	06/21/12	31.49	12.53	--	0.00	--	--	18.96

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-20	ROW	09/20/12	31.49	14.11	--	0.00	--	--	17.38
MW-20	ROW	12/26/12	31.49	14.20	--	0.00	--	--	17.29
MW-20	ROW	04/23/13	31.49	12.80	--	0.00	--	--	18.69
MW-20	ROW	06/26/13	31.49	12.70	--	0.00	--	--	18.79
MW-20	ROW	09/18/13	31.49	13.52	--	0.00	--	--	17.97
MW-20	ROW	10/14/13	31.49	13.72	--	0.00	--	--	17.77
MW-20	ROW	03/27/14	31.49	13.24	--	0.00	--	--	18.25
MW-20	ROW	06/10/14	31.49	12.51	--	0.00	--	--	18.98
MW-20	ROW	07/22/14	31.49	13.35	--	0.00	--	--	18.14
MW-20	ROW	02/20/15	31.49	14.46	--	0.00	--	--	17.03
MW-20	ROW	11/11/15	31.49	14.33	--	0.00	--	--	17.16
MW-20	ROW	04/18/16	31.49	12.75	--	0.00	--	--	18.74
MW-20	ROW	12/07/16	31.53	14.40	--	0.00	--	--	17.13
MW-20	ROW	06/21/17	31.53	12.55	--	0.00	--	--	18.98
MW-20	ROW	12/05/17	31.53	14.43	--	0.00	--	--	17.10
MW-20	ROW	06/26/18	31.53	12.89	--	0.00	--	--	18.64
MW-20	ROW	11/27/18	31.53	14.23	--	0.00	--	--	17.30
MW-20	ROW	06/20/19	31.53	12.88	--	0.00	--	--	18.65
MW-20	ROW	12/17/19	31.53	14.45	--	0.00	--	--	17.08
MW-20	ROW	06/10/20	31.53	12.51	--	0.00	--	--	19.02
MW-20	ROW	11/10/20	31.53	14.19	--	0.00	--	--	17.34
MW-20	ROW	06/28/21	31.53	12.70	--	0.00	--	--	18.83
MW-20	**ROW**	**01/06/22**	**31.53**	**14.03**	**--**	**0.00**	**--**	**--**	**17.50**
MW-21	ROW	08/10/99	98.52	--	--	--	--	--	--
MW-21	ROW	10/19/99	98.52	--	--	--	--	--	--
MW-21	ROW	06/21/01	98.52	12.31	--	0.00	--	--	86.21
MW-21	ROW	03/18/02	98.52	13.36	--	0.00	--	--	85.16
MW-21	ROW	06/26/03	98.52	12.66	--	0.00	--	--	85.86
MW-21	ROW	09/16/03	98.52	13.98	--	0.00	--	--	84.54
MW-21	ROW	12/15/03	98.52	14.05	--	0.00	--	--	84.47
MW-21	ROW	03/26/04	98.52	13.08	--	0.00	--	--	85.44
MW-21	ROW	09/23/04	98.52	13.19	--	0.00	--	--	85.33
MW-21	ROW	03/14/05	98.52	13.51	--	0.00	--	--	85.01
MW-21	ROW	03/29/06	98.52	12.98	--	0.00	--	--	85.54
MW-21	ROW	03/21/07	98.52	13.00	--	0.00	--	--	85.52
MW-21	ROW	03/25/08	98.52	13.02	--	0.00	--	--	85.50
MW-21	ROW	09/08-09/08	98.52	13.14	--	0.00	--	--	85.38
MW-21	ROW	12/11/08	98.52	--	--	--	--	--	--
MW-21	ROW	03/30-31/09	98.52	12.86	--	0.00	--	--	85.66
MW-21	ROW	09/10-11/09	98.52	13.63	--	0.00	--	--	84.89
MW-21	ROW	03/15/10	98.52	13.15	--	0.00	--	--	85.37
MW-21	ROW	09/15/10	98.52	13.51	--	0.00	--	--	85.01
MW-21	ROW	03/14/11	98.52	13.05	--	0.00	--	--	85.47
MW-21	ROW	09/24/11	31.26	13.51	--	0.00	--	--	17.75
MW-21	ROW	10/10/11	31.26	13.83	--	0.00	--	--	17.43
MW-21	ROW	06/21/12	31.26	12.24	--	0.00	--	--	19.02

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-21	ROW	09/20/12	31.26	13.82	--	0.00	--	--	17.44
MW-21	ROW	12/26/12	31.26	13.86	--	0.00	--	--	17.40
MW-21	ROW	04/23/13	31.26	12.47	--	0.00	--	--	18.79
MW-21	ROW	06/26/13	31.26	12.39	--	0.00	--	--	18.87
MW-21	ROW	09/18/13	31.26	13.25	--	0.00	--	--	18.01
MW-21	ROW	10/14/13	31.26	--	--	--	--	--	--
MW-21	ROW	03/27/14	31.26	12.98	--	0.00	--	--	18.28
MW-21	ROW	06/10/14	31.26	12.33	--	0.00	--	--	18.93
MW-21	ROW	07/22/14	31.26	13.05	--	0.00	--	--	18.21
MW-21	ROW	02/20/15	31.26	14.21	--	0.00	--	--	17.05
MW-21	ROW	11/11/15	31.26	14.19	--	0.00	--	--	17.07
MW-21	ROW	04/18/16	31.26	12.65	--	0.00	--	--	18.61
MW-21	ROW	12/07/16	31.30	14.20	--	0.00	--	--	17.10
MW-21	ROW	06/21/17	31.30	12.32	--	0.00	--	--	18.98
MW-21	ROW	12/05/17	31.30	14.11	--	0.00	--	--	17.19
MW-21	ROW	06/26/18	31.30	12.67	--	0.00	--	--	18.63
MW-21	ROW	11/27/18	31.30	13.97	--	0.00	--	--	17.33
MW-21	ROW	06/20/19	31.30	12.64	--	0.00	--	--	18.66
MW-21	ROW	12/17/19	31.30	14.22	--	0.00	--	--	17.08
MW-21	ROW	06/10/20	31.30	12.40	--	0.00	--	--	18.90
MW-21	ROW	11/10/20	31.30	13.93	--	0.00	--	--	17.37
MW-21	ROW	06/28/21	31.30	12.47	--	0.00	--	--	18.83
MW-21	**ROW**	**01/06/22**	**31.30**	**13.81**	**--**	**0.00**	**--**	**--**	**17.49**
MW-22	ROW	08/10/99	99.76	--	--	--	--	--	--
MW-22	ROW	10/22/99	99.76	--	--	--	--	--	--
MW-22	ROW	01/06/00	99.76	--	--	--	--	--	--
MW-22	ROW	01/15/01	99.76	--	--	--	--	--	--
MW-22	ROW	06/21/01	99.76	13.53	--	0.00	--	--	86.23
MW-22	ROW	03/18/02	99.76	14.41	--	0.00	--	--	85.35
MW-22	ROW	07/02/02	99.76	13.56	--	0.00	--	--	86.20
MW-22	ROW	09/03/02	99.76	14.95	--	0.00	--	--	84.81
MW-22	ROW	12/31/02	99.76	15.22	--	0.00	--	--	84.54
MW-22	ROW	06/25/03	99.76	13.91	--	0.00	--	--	85.85
MW-22	ROW	09/16/03	99.76	15.15	--	0.00	--	--	84.61
MW-22	ROW	12/17/03	99.76	15.03	--	0.00	--	--	84.73
MW-22	ROW	03/25/04	99.76	14.20	--	0.00	--	--	85.56
MW-22	ROW	09/22/04	99.76	14.28	--	0.00	--	--	85.48
MW-22	ROW	03/14/05	99.76	14.70	--	0.00	--	--	85.06
MW-22	ROW	03/29/06	99.76	14.21	--	0.00	--	--	85.55
MW-22	ROW	03/21/07	99.76	14.31	--	0.00	--	--	85.45
MW-22	ROW	03/25/08	99.76	14.35	--	0.00	--	--	85.41
MW-22	ROW	09/08-09/08	99.76	14.47	--	0.00	--	--	85.29
MW-22	ROW	12/11/08	99.76	--	--	--	--	--	--
MW-22	ROW	03/30-31/09	99.76	14.09	--	0.00	--	--	85.67
MW-22	ROW	09/10-11/09	99.76	15.02	--	0.00	--	--	84.74
MW-22	ROW	03/15/10	99.76	14.46	--	0.00	--	--	85.30

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-22	ROW	09/15/10	99.76	14.82	--	0.00	--	--	84.94
MW-22	ROW	03/14/11	99.76	14.25	--	0.00	--	--	85.51
MW-22	ROW	03/27/14	32.68	--	--	--	--	--	--
MW-22	ROW	06/10/14	32.68	13.65	--	0.00	--	--	19.03
MW-22	ROW	07/22/14	32.68	14.34	--	0.00	--	--	18.34
MW-22	ROW	11/11/15	32.68	15.31	--	0.00	--	--	17.37
MW-22	ROW	04/18/16	32.68	13.88	--	0.00	--	--	18.80
MW-22	ROW	12/07/16	32.68	13.98	--	0.00	--	--	18.70
MW-22	ROW	06/21/17	32.68	13.10	--	0.00	--	--	19.58
MW-22	ROW	12/05/17	32.68	15.19	--	0.00	--	--	17.49
MW-22	ROW	06/26/18	32.68	13.98	--	0.00	--	--	18.70
MW-22	ROW	11/27/18	32.68	15.23	--	0.00	--	--	17.45
MW-22	ROW	06/20/19	32.68	13.96	--	0.00	--	--	18.72
MW-22	ROW	12/17/19	32.68	15.52	--	0.00	--	--	17.16
MW-22	ROW	06/10/20	32.68	13.60	--	0.00	--	--	19.08
MW-22	ROW	11/10/20	32.68	15.23	--	0.00	--	--	17.45
MW-22	ROW	06/28/21	32.68	13.74	--	0.00	--	--	18.94
MW-22	**ROW**	**01/06/22**	**32.68**	**14.42**	**--**	**0.00**	**--**	**--**	**18.26**
MW-24	North Yard	03/21/07	--	23.01	--	0.00	--	--	--
MW-24	North Yard	03/25/08	--	23.35	--	0.00	--	--	--
MW-24	North Yard	09/08-09/08	--	23.84	--	0.00	--	--	--
MW-24	North Yard	12/11/08	--	--	--	--	--	--	--
MW-24	North Yard	03/30-31/09	--	23.60	--	0.00	--	--	--
MW-24	North Yard	09/10-11/09	--	24.13	--	0.00	--	--	--
MW-24	North Yard	03/15/10	--	22.76	--	0.00	--	--	--
MW-24	North Yard	09/15/10	--	23.71	--	0.00	--	--	--
MW-24	North Yard	03/14/11	--	22.39	--	0.00	--	--	--
MW-24	North Yard	12/26/12	69.77	22.42	--	0.00	--	--	47.35
MW-24	North Yard	03/27/14	69.77	23.06	--	0.00	--	--	46.71
MW-24	North Yard	06/10/14	69.77	22.85	--	0.00	--	--	46.92
MW-24	North Yard	11/11/15	69.77	--	--	--	--	--	--
MW-24	North Yard	04/18/16	69.77	--	--	--	--	--	--
MW-24	North Yard	12/07/16	69.77	21.73	--	0.00	--	--	48.04
MW-24	North Yard	06/21/17	69.77	20.50	--	0.00	--	--	49.27
MW-24	North Yard	12/05/17	69.77	22.32	--	0.00	--	--	47.45
MW-24	North Yard	06/26/18	69.77	22.49	--	0.00	--	--	47.28
MW-24	North Yard	11/27/18	69.77	22.95	--	0.00	--	--	46.82
MW-24	North Yard	06/20/19	69.77	22.80	--	0.00	--	--	46.97
MW-24	North Yard	12/17/19	69.77	23.20	--	0.00	--	--	46.57
MW-24	North Yard	06/10/20	69.77	22.74	--	0.00	--	--	47.03
MW-24	North Yard	11/10/20	69.77	22.77	--	0.00	--	--	47.00
MW-24	North Yard	06/28/21	69.77	22.99	--	0.00	--	--	46.78
MW-24	**North Yard**	**01/06/22**	**69.77**	**22.30**	**--**	**0.00**	**--**	**--**	**47.47**
MW-25	South Yard	08/09/99	98.17	--	--	--	--	--	--
MW-25	South Yard	10/19/99	98.17	14.37	--	0.00	--	--	83.80
MW-25	South Yard	01/06/00	98.17	--	--	--	--	--	--

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-25	South Yard	07/27/00	98.17	12.41	--	0.00	--	--	85.76
MW-25	South Yard	09/29/00	98.17	13.16	--	0.00	--	--	85.01
MW-25	South Yard	09/29/00	98.17	13.16	--	0.00	--	--	85.01
MW-25	South Yard	07/26/01	98.17	12.65	--	0.00	--	--	85.52
MW-25	South Yard	03/19/02	98.17	13.12	--	0.00	--	--	85.05
MW-25	South Yard	07/02/02	98.17	12.04	--	0.00	--	--	86.13
MW-25	South Yard	09/03/02	98.17	13.61	--	0.00	--	--	84.56
MW-25	South Yard	10/11/02	98.17	--	--	--	--	--	--
MW-25	South Yard	12/31/02	98.17	13.97	--	0.00	--	--	84.20
MW-25	South Yard	03/26/03	98.17	13.34	--	0.00	--	--	84.83
MW-25	South Yard	04/28/03	98.17	12.13	--	0.00	--	--	86.04
MW-25	South Yard	05/30/03	98.17	12.10	--	0.00	--	--	86.07
MW-25	South Yard	06/25/03	98.17	12.49	--	0.00	--	--	85.68
MW-25	South Yard	09/15/03	98.17	13.78	--	0.00	--	--	84.39
MW-25	South Yard	12/15/03	98.17	13.88	--	0.00	--	--	84.29
MW-25	South Yard	03/25/04	98.17	12.80	--	0.00	--	--	85.37
MW-25	South Yard	09/22/04	98.17	12.94	--	0.00	--	--	85.23
MW-25	South Yard	03/14/05	98.17	13.25	--	0.00	--	--	84.92
MW-25	South Yard	03/29/06	98.17	12.72	--	0.00	--	--	85.45
MW-25	South Yard	03/21/07	98.17	12.51	--	0.00	--	--	85.66
MW-25	South Yard	03/25/08	98.17	12.78	--	0.00	--	--	85.39
MW-25	South Yard	09/08-09/08	98.17	12.89	--	0.00	--	--	85.28
MW-25	South Yard	12/11/08	98.17	--	--	--	--	--	--
MW-25	South Yard	03/30-31/09	98.17	12.60	--	0.00	--	--	85.57
MW-25	South Yard	09/10-11/09	98.17	13.41	--	0.00	--	--	84.76
MW-25	South Yard	03/15/10	98.17	12.95	--	0.00	--	--	85.22
MW-25	South Yard	09/15/10	98.17	13.25	--	0.00	--	--	84.92
MW-25	South Yard	03/14/11	98.17	12.88	--	0.00	--	--	85.29
MW-25	South Yard	09/25/11	30.91	13.50	--	0.00	--	--	17.41
MW-25	South Yard	10/10/11	30.91	13.30	--	0.00	--	--	17.61
MW-25	South Yard	06/21/12	30.91	12.01	--	0.00	--	--	18.90
MW-25	South Yard	09/20/12	30.91	13.56	--	0.00	--	--	17.35
MW-25	South Yard	12/26/12	30.91	13.76	--	0.00	--	--	17.15
MW-25	South Yard	04/22/13	30.91	12.30	--	0.00	--	--	18.61
MW-25	South Yard	06/26/13	30.91	12.26	--	0.00	--	--	18.65
MW-25	South Yard	09/18/13	30.91	12.97	--	0.00	--	--	17.94
MW-25	South Yard	10/14/13	30.91	13.22	--	0.00	--	--	17.69
MW-25	South Yard	03/27/14	30.91	12.72	--	0.00	--	--	18.19
MW-25	South Yard	06/10/14	30.91	12.05	--	0.00	--	--	18.86
MW-25	South Yard	11/11/15	30.91	13.61	--	0.00	--	--	17.30
MW-25	South Yard	04/18/16	30.91	12.28	--	0.00	--	--	18.63
MW-25	South Yard	12/07/16	30.91	13.81	--	0.00	--	--	17.10
MW-25	South Yard	06/21/17	30.91	12.01	--	0.00	--	--	18.90
MW-25	South Yard	12/05/17	30.91	13.84	--	0.00	--	--	17.07
MW-25	South Yard	06/26/18	30.91	12.31	--	0.00	--	--	18.60
MW-25	South Yard	11/27/18	30.91	13.76	--	0.00	--	--	17.15

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Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-25	South Yard	06/20/19	30.91	12.31	--	0.00	--	--	18.60
MW-25	South Yard	12/17/19	30.91	13.95	--	0.00	--	--	16.96
MW-25	South Yard	06/10/20	30.91	12.00	--	0.00	--	--	18.91
MW-25	South Yard	11/10/20	30.91	13.65	--	0.00	--	--	17.26
MW-25	South Yard	06/28/21	30.91	12.10	--	0.00	--	--	18.81
MW-25	**South Yard**	**01/06/22**	**30.91**	**14.42**	**--**	**0.00**	**--**	**--**	**16.49**
MW-26	South Yard	08/09/99	97.87	--	--	--	--	--	--
MW-26	South Yard	10/19/99	97.87	--	--	--	--	--	--
MW-26	South Yard	01/06/00	97.87	13.78	--	0.00	--	--	84.09
MW-26	South Yard	04/12/00	97.87	12.12	--	0.00	--	--	85.75
MW-26	South Yard	06/27/00	97.87	12.55	--	0.00	--	--	85.32
MW-26	South Yard	07/26/01	97.87	12.15	--	0.00	--	--	85.72
MW-26	South Yard	03/19/02	97.87	12.79	--	0.00	--	--	85.08
MW-26	South Yard	12/31/02	97.87	13.97	--	0.00	--	--	83.90
MW-26	South Yard	02/27/03	97.87	12.88	--	0.00	--	--	84.99
MW-26	South Yard	03/26/03	97.87	13.12	--	0.00	--	--	84.75
MW-26	South Yard	04/28/03	97.87	11.78	--	0.00	--	--	86.09
MW-26	South Yard	05/30/03	97.87	11.73	--	0.00	--	--	86.14
MW-26	South Yard	06/25/03	97.87	12.09	--	0.00	--	--	85.78
MW-26	South Yard	09/15/03	97.87	13.49	--	0.00	--	--	84.38
MW-26	South Yard	12/15/03	97.87	13.48	--	0.00	--	--	84.39
MW-26	South Yard	09/22/04	97.87	12.55	--	0.00	--	--	85.32
MW-26	South Yard	03/14/05	97.87	12.94	--	0.00	--	--	84.93
MW-26	South Yard	03/29/06	97.87	12.37	--	0.00	--	--	85.50
MW-26	South Yard	03/21/07	97.87	--	--	--	--	--	--
MW-26	South Yard	03/25/08	97.87	12.46	--	0.00	--	--	85.41
MW-26	South Yard	09/08-09/08	97.87	12.59	--	0.00	--	--	85.28
MW-26	South Yard	12/11/08	97.87	--	--	--	--	--	--
MW-26	South Yard	03/30-31/09	97.87	12.25	--	0.00	--	--	85.62
MW-26	South Yard	09/10-11/09	97.87	13.01	--	0.00	--	--	84.86
MW-26	South Yard	03/15/10	97.87	12.60	--	0.00	--	--	85.27
MW-26	South Yard	09/15/10	97.87	12.94	--	0.00	--	--	84.93
MW-26	South Yard	03/14/11	97.87	12.25	--	0.00	--	--	85.62
MW-26	South Yard	09/24/11	30.62	13.20	--	0.00	--	--	17.42
MW-26	South Yard	10/10/11	30.62	13.00	--	0.00	--	--	17.62
MW-26	South Yard	06/21/12	30.62	11.68	--	0.00	--	--	18.94
MW-26	South Yard	09/20/12	30.62	13.25	--	0.00	--	--	17.37
MW-26	South Yard	09/21/12	30.62	13.28	--	0.00	--	--	17.34
MW-26	South Yard	12/26/12	30.62	13.24	--	0.00	--	--	17.38
MW-26	South Yard	04/22/13	30.62	11.90	--	0.00	--	--	18.72
MW-26	South Yard	06/26/13	30.62	11.85	--	0.00	--	--	18.77
MW-26	South Yard	09/18/13	30.62	12.68	--	0.00	--	--	17.94
MW-26	South Yard	10/14/13	30.62	12.89	--	0.00	--	--	17.73
MW-26	South Yard	03/27/14	30.62	12.45	--	0.00	--	--	18.17
MW-26	South Yard	06/10/14	30.62	11.71	--	0.00	--	--	18.91
MW-26	South Yard	11/11/15	30.62	13.11	--	0.00	--	--	17.51

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1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-26	South Yard	04/18/16	30.62	11.93	--	0.00	--	--	18.69
MW-26	South Yard	12/07/16	30.62	13.38	--	0.00	--	--	17.24
MW-26	South Yard	06/21/17	30.62	11.69	--	0.00	--	--	18.93
MW-26	South Yard	12/05/17	30.62	13.38	--	0.00	--	--	17.24
MW-26	South Yard	06/26/18	30.62	12.01	--	0.00	--	--	18.61
MW-26	South Yard	11/27/18	30.62	13.00	--	0.00	--	--	17.62
MW-26	South Yard	06/20/19	30.62	--	--	--	--	--	--
MW-26	South Yard	12/17/19	30.62	13.58	--	0.00	--	--	17.04
MW-26	South Yard	06/10/20	30.62	11.70	--	0.00	--	--	18.92
MW-26	South Yard	11/10/20	30.62	13.29	--	0.00	--	--	17.33
MW-26	South Yard	06/28/21	30.62	11.80	--	0.00	--	--	18.82
MW-26	**South Yard**	**01/06/22**	**30.62**	**13.05**	**--**	**0.00**	**--**	**--**	**17.57**
MW-27	North Yard	09/13/99	101.17	--	--	--	--	No	--
MW-27	North Yard	10/22/99	101.17	--	--	--	--	No	--
MW-27	North Yard	01/06/00	101.17	--	--	--	--	No	--
MW-27	North Yard	05/24/01	101.17	11.11	10.38	0.73	--	No	90.64
MW-27	North Yard	06/27/01	101.17	10.07	9.29	0.78	--	No	91.72
MW-27	North Yard	03/18/02	101.17	9.07	9.00	0.07	--	No	92.16
MW-27	North Yard	10/16/02	101.17	--	--	0.05	--	No	--
MW-27	North Yard	12/31/02	101.17	--	--	0.02	--	No	--
MW-27	North Yard	06/26/03	101.17	11.08	10.83	0.25	0.25	No	90.29
MW-27	North Yard	07/21/03	101.17	--	--	0.46	4.00	No	--
MW-27	North Yard	08/28/03	101.17	--	--	0.21	8.00	No	--
MW-27	North Yard	10/16/03	101.17	5.97	--	0.00	0.00	No	95.20
MW-27	North Yard	11/21/03	101.17	--	--	--	0.00	No	--
MW-27	North Yard	12/17/03	101.17	--	--	--	0.00	No	--
MW-27	North Yard	01/29/04	101.17	10.23	9.71	0.52	2.00	No	91.36
MW-27	North Yard	02/18/04	101.17	10.59	9.97	0.62	1.75	No	91.08
MW-27	North Yard	03/30/04	101.17	10.54	9.77	0.77	3.00	No	91.25
MW-27	North Yard	09/22/04	101.17	9.98	9.91	0.07	0.70	No	91.25
MW-27	North Yard	03/15/05	101.17	11.76	11.21	0.55	0.50	No	89.85
MW-27	North Yard	03/29/06	101.17	9.14	--	0.00	0.00	No	92.03
MW-27	North Yard	03/21/07	101.17	7.91	7.90	0.01	<0.01	No	93.27
MW-27	North Yard	03/25/08	101.17	10.57	--	0.00	0.00	No	90.60
MW-27	North Yard	09/08-09/08	101.17	10.83	10.66	0.17	0.28	Yes	90.48
MW-27	North Yard	12/11/08	101.17	11.19	11.18	0.01	0.00	Yes	89.99
MW-27	North Yard	03/30-31/09	101.17	9.92	9.91	0.01	0.00	Yes	91.26
MW-27	North Yard	06/15/09	101.17	9.67	9.66	0.01	0.00	Yes	91.51
MW-27	North Yard	09/10-11/09	101.17	11.27	11.10	0.17	0.33[4]	Yes	90.04
MW-27	North Yard	02/23/10	101.17	9.37	--	0.00	--	Yes	91.80
MW-27	North Yard	03/15/10	101.17	9.48	9.47	0.01	0.00	Yes	91.70
MW-27	North Yard	3/14/2011[1]	101.17	27.77	27.70	0.07	0.05[4]	Yes	73.46
MW-27	North Yard	11/16/11	34.01	11.27	--	0.00	--	Yes	22.74
MW-27	North Yard	12/08/11	34.01	9.78	9.69	0.09	0.05[4]	Yes	24.30
MW-27	North Yard	03/23/12	34.01	8.18	8.15	0.03	1.00	Yes	25.85
MW-27	North Yard	06/01/12	34.01	8.45	8.25	0.20	1.00	Yes	25.72

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Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-27	North Yard	04/22/13	34.01	7.34	7.33	0.01	0.00	Yes	26.68
MW-27	North Yard	06/26/13	34.01	6.67	--	0.00	--	Yes	27.34
MW-27	North Yard	09/18/13	34.01	10.76	--	0.00	--	Yes	23.25
MW-27	North Yard	10/14/13	34.01	10.16	--	0.00	--	Yes	23.85
MW-27	North Yard	03/27/14	34.01	7.10	7.08	0.02	--	Yes	26.93
MW-27	North Yard	06/10/14	34.01	9.25	Sheen	Sheen	--	Yes	24.76
MW-27	North Yard	07/22/14	34.01	10.02	10.015	0.005	--	Yes	23.99
MW-28	North Yard	08/11/99	100.35	--	--	0.00	--	No	--
MW-28	North Yard	10/21/99	100.35	--	--	0.00	--	No	--
MW-28	North Yard	10/21/99	100.35	--	--	0.00	--	No	--
MW-28	North Yard	01/06/00	100.35	6.93	--	0.00	--	No	93.42
MW-28	North Yard	07/27/00	100.35	7.45	--	0.00	--	No	92.90
MW-28	North Yard	09/29/00	100.35	8.50	--	0.00	--	No	91.85
MW-28	North Yard	01/15/01	100.35	8.59	--	0.00	--	No	91.76
MW-28	North Yard	06/21/01	100.35	7.66	--	0.00	--	No	92.69
MW-28	North Yard	03/18/02	100.35	6.02	--	0.00	--	No	94.33
MW-28	North Yard	06/26/03	100.35	7.57	--	0.00	--	No	92.78
MW-28	North Yard	09/15/03	100.35	8.96	--	0.00	--	No	91.39
MW-28	North Yard	12/15/03	100.35	7.56	--	0.00	--	No	92.79
MW-28	North Yard	03/25/04	100.35	7.07	--	0.00	--	No	93.28
MW-28	North Yard	09/22/04	100.35	8.16	--	0.00	--	No	92.19
MW-28	North Yard	03/14/05	100.35	8.45	--	0.00	--	No	91.90
MW-28	North Yard	03/29/06	100.35	6.64	--	0.00	--	No	93.71
MW-28	North Yard	03/21/07	100.35	6.86	6.48	0.38	0.25	No	93.79
MW-28	North Yard	03/25/08	100.35	7.25	7.08	0.17	0.25	No	93.24
MW-28	North Yard	09/08-09/08	100.35	8.04	8.00	0.04	0.16	Yes	92.34
MW-28	North Yard	12/11/08	100.35	8.15	8.14	0.01	0.00	Yes	92.21
MW-28	North Yard	03/30-31/09	100.35	6.84	6.83	0.01	0.00	Yes	93.52
MW-28	North Yard	06/15/09	100.35	7.21	7.20	0.01	0.00	Yes	93.15
MW-28	North Yard	09/10-11/09	100.35	8.16	8.13	0.03	0.00	Yes	92.21
MW-28	North Yard	02/23/10	100.35	6.39	6.38	0.01	0.00	Yes	93.97
MW-28	North Yard	03/15/10	100.35	6.05	--	0.00	--	Yes	94.30
MW-28	North Yard	09/15/10	100.35	7.76	7.75	0.01	--	Yes	92.60
MW-28	North Yard	12/04/10	100.35	--	--	--	--	Yes	--
MW-28	North Yard	03/14/11	100.35	5.30	--	0.00	--	Yes	95.05
MW-28	North Yard	07/22/14	33.13	7.24	--	0.00	--	No	25.89
MW-29	ROW	07/22/14	34.06	13.80	--	0.00	--	--	20.26
MW-29	ROW	09/26/14	34.06	14.27	--	0.00	--	--	19.79
MW-29	ROW	10/30/14	34.06	13.03	--	0.00	--	--	21.03
MW-29	ROW	12/01/14	34.06	17.80	--	0.00	--	--	16.26
MW-29	ROW	02/20/15	34.06	19.26	--	0.00	--	--	14.80
MW-29	ROW	11/11/15	34.06	16.61	--	0.00	--	--	17.45
MW-29	ROW	04/18/16	34.06	13.65	--	0.00	--	--	20.41
MW-29	ROW	12/07/16	34.08	14.82	--	0.00	--	--	19.26
MW-29	ROW	06/21/17	34.08	11.29	--	0.00	--	--	22.79
MW-29	ROW	12/05/17	34.08	12.99	--	0.00	--	--	21.09

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Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MW-29	ROW	06/26/18	34.08	13.50	--	0.00	--	--	20.58
MW-29	ROW	11/27/18	34.08	11.37	--	0.00	--	--	22.71
MW-29	ROW	06/20/19	34.08	13.59	--	0.00	--	--	20.49
MW-29	ROW	12/17/19	34.08	14.65	--	0.00	--	--	19.43
MW-29	ROW	06/10/20	34.08	13.40	--	0.00	--	--	20.68
MW-29	ROW	11/10/20	34.08	14.59	--	0.00	--	--	19.49
MW-29	ROW	06/28/21	34.08	14.07	--	0.00	--	--	20.01
MW-29	**ROW**	**01/06/22**	**34.08**	**10.29**	**--**	**0.00**	**--**	**--**	**23.79**
MW-30	ROW	07/22/14	33.45	12.37	--	0.00	--	--	21.08
MW-30	ROW	09/26/14	33.45	12.87	--	0.00	--	--	20.58
MW-30	ROW	10/30/14	33.45	10.73	--	0.00	--	--	22.72
MW-30	ROW	12/01/14	33.45	17.04	--	0.00	--	--	16.41
MW-30	ROW	02/20/15	33.45	19.18	--	0.00	--	--	14.27
MW-30	ROW	11/11/15	33.45	15.61	--	0.00	--	--	17.84
MW-30	ROW	04/18/16	33.45	12.41	--	0.00	--	--	21.05
MW-30	ROW	12/07/16	33.46	14.01	--	0.00	--	--	19.45
MW-30	ROW	06/21/17	33.46	11.75	--	0.00	--	--	21.71
MW-30	ROW	12/05/17	33.46	12.79	--	0.00	--	--	20.67
MW-30	ROW	06/26/18	33.46	13.09	--	0.00	--	--	20.37
MW-30	ROW	11/27/18	33.46	13.95	--	0.00	--	--	19.51
MW-30	ROW	06/20/19	33.46	12.95	--	0.00	--	--	20.51
MW-30	ROW	12/17/19	33.46	14.40	--	0.00	--	--	19.06
MW-30	ROW	06/10/20	33.46	12.50	--	0.00	--	--	20.96
MW-30	ROW	11/10/20	33.46	13.70	--	0.00	--	--	19.76
MW-30	ROW	06/28/21	33.46	13.13	--	0.00	--	--	20.33
AGI-2	South Yard	08/10/99	97.95	--	--	--	--	--	--
AGI-2	South Yard	10/20/99	97.95	--	--	--	--	--	--
AGI-2	South Yard	01/15/01	97.95	13.61	--	0.00	--	--	84.34
AGI-2	South Yard	06/21/01	97.95	11.83	--	0.00	--	--	86.12
AGI-2	South Yard	07/26/01	97.95	12.19	--	0.00	--	--	85.76
AGI-2	South Yard	03/18/02	97.95	12.91	--	0.00	--	--	85.04
AGI-2	South Yard	03/18/02	97.95	12.91	--	0.00	--	--	85.04
AGI-2	South Yard	05/07/02	97.95	11.95	--	0.00	--	--	86.00
AGI-2	South Yard	06/06/02	97.95	12.51	--	0.00	--	--	85.44
AGI-2	South Yard	07/02/02	97.95	11.90	--	0.00	--	--	86.05
AGI-2	South Yard	09/03/02	97.95	13.65	--	0.00	--	--	84.30
AGI-2	South Yard	12/31/02	97.95	13.75	--	0.00	--	--	84.20
AGI-2	South Yard	03/26/03	97.95	12.62	--	0.00	--	--	85.33
AGI-2	South Yard	04/28/03	97.95	12.98	--	0.00	--	--	84.97
AGI-2	South Yard	05/30/03	97.95	12.19	--	0.00	--	--	85.76
AGI-2	South Yard	06/25/03	97.95	12.66	--	0.00	--	--	85.29
AGI-2	South Yard	09/15/03	97.95	13.51	--	0.00	--	--	84.44
AGI-2	South Yard	12/15/03	97.95	13.59	--	0.00	--	--	84.36
AGI-2	South Yard	03/26/04	97.95	12.33	--	0.00	--	--	85.62
AGI-2	South Yard	09/22/04	97.95	12.67	--	0.00	--	--	85.28
AGI-2	South Yard	03/14/05	97.95	12.99	--	0.00	--	--	84.96

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1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
AGI-2	South Yard	03/29/06	97.95	12.45	--	0.00	--	--	85.50
AGI-2	South Yard	03/21/07	97.95	12.30	--	0.00	--	--	85.65
AGI-2	South Yard	03/25/08	97.95	12.53	--	0.00	--	--	85.42
AGI-2	South Yard	09/08-09/08	97.95	12.63	--	0.00	--	--	85.32
AGI-2	South Yard	12/11/08	97.95	--	--	--	--	--	--
AGI-2	South Yard	03/30-31/09	97.95	12.33	--	0.00	--	--	85.62
AGI-2	South Yard	09/10-11/09	97.95	13.11	--	0.00	--	--	84.84
AGI-2	South Yard	03/15/10	97.95	15.92	--	0.00	--	--	82.03
AGI-2	South Yard	09/15/10	97.95	12.99	--	0.00	--	--	84.96
AGI-2	South Yard	03/14/11	97.95	12.58	--	0.00	--	--	85.37
AGI-2	South Yard	06/21/12	30.68	11.69	--	0.00	--	--	18.99
AGI-2	South Yard	09/20/12	30.68	13.31	--	0.00	--	--	17.37
AGI-2	South Yard	12/26/12	30.68	13.41	--	0.00	--	--	17.27
AGI-2	South Yard	04/23/13	30.68	11.96	--	0.00	--	--	18.72
AGI-2	South Yard	06/26/13	30.68	11.90	--	0.00	--	--	18.78
AGI-2	South Yard	09/18/13	30.68	12.72	--	0.00	--	--	17.96
AGI-2	South Yard	10/14/13	30.68	12.94	--	0.00	--	--	17.74
AGI-2	South Yard	03/27/14	30.68	12.41	--	0.00	--	--	18.27
AGI-2	South Yard	06/10/14	30.68	11.85	--	0.00	--	--	18.83
AGI-2	South Yard	11/11/15	30.68	13.41	--	0.00	--	--	17.27
AGI-2	South Yard	04/18/16	30.68	11.98	--	0.00	--	--	18.70
AGI-2	South Yard	12/07/16	30.68	13.50	--	0.00	--	--	17.18
AGI-2	South Yard	06/21/17	30.68	11.80	--	0.00	--	--	18.88
AGI-2	South Yard	12/05/17	30.68	13.64	--	0.00	--	--	17.04
AGI-2	South Yard	06/26/18	30.68	12.06	--	0.00	--	--	18.62
AGI-2	South Yard	11/27/18	30.68	13.41	--	0.00	--	--	17.27
AGI-2	South Yard	06/20/19	30.68	12.10	--	0.00	--	--	18.58
AGI-2	South Yard	12/17/19	30.68	13.68	--	0.00	--	--	17.00
AGI-2	South Yard	06/10/20	30.68	11.80	--	0.00	--	--	18.88
AGI-2	South Yard	11/10/20	30.68	13.35	--	0.00	--	--	17.33
AGI-2	South Yard	06/28/21	30.68	11.90	--	0.00	--	--	18.78
AGI-2	**South Yard**	**01/06/22**	**30.68**	**13.22**	**--**	**0.00**	**--**	**--**	**17.46**
MLU-1	South Yard	10/20/99	100.18	15.33	--	0.00	--	--	84.85
MLU-1	South Yard	01/06/00	100.18	15.75	--	0.00	--	--	84.43
MLU-1	South Yard	04/12/00	100.18	14.35	--	0.00	--	--	85.83
MLU-1	South Yard	06/27/00	100.18	14.24	--	0.00	--	--	85.94
MLU-1	South Yard	09/29/00	100.18	15.12	--	0.00	--	--	85.06
MLU-1	South Yard	06/25/03	100.18	14.41	--	0.00	--	--	85.77
MLU-1	South Yard	09/15/03	100.18	15.72	--	0.00	--	--	84.46
MLU-1	South Yard	12/15/03	100.18	15.70	--	0.00	--	--	84.48
MLU-1	South Yard	03/25/04	100.18	14.75	--	0.00	--	--	85.43
MLU-1	South Yard	09/22/04	100.18	14.88	--	0.00	--	--	85.30
MLU-1	South Yard	03/14/05	100.18	15.21	--	0.00	--	--	84.97
MLU-1	South Yard	03/29/06	100.18	14.65	--	0.00	--	--	85.53
MLU-1	South Yard	03/21/07	100.18	14.64	--	0.00	--	--	85.54
MLU-1	South Yard	03/25/08	100.18	14.70	--	0.00	--	--	85.48

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MLU-1	South Yard	09/08-09/08	100.18	--	--	--	--	--	--
MLU-1	South Yard	12/11/08	100.18	--	--	--	--	--	--
MLU-1	South Yard	03/30-31/09	100.18	--	--	--	--	--	--
MLU-1	South Yard	09/10-11/09	100.18	15.32	--	0.00	--	--	84.86
MLU-1	South Yard	03/15/10	100.18	14.82	--	0.00	--	--	85.36
MLU-1	South Yard	09/15/10	100.18	15.21	--	0.00	--	--	84.97
MLU-1	South Yard	03/14/11	100.18	14.19	--	0.00	--	--	85.99
MLU-1	South Yard	06/21/12	32.90	13.96	--	0.00	--	--	18.94
MLU-1	South Yard	09/20/12	32.90	15.51	--	0.00	--	--	17.39
MLU-1	South Yard	09/21/12	32.90	15.51	--	0.00	--	--	17.39
MLU-1	South Yard	12/26/12	32.90	15.31	--	0.00	--	--	17.59
MLU-1	South Yard	04/22/13	32.90	14.14	--	0.00	--	--	18.76
MLU-1	South Yard	06/26/13	32.90	14.05	--	0.00	--	--	18.85
MLU-1	South Yard	09/18/13	32.90	14.92	--	0.00	--	--	17.98
MLU-1	South Yard	10/14/13	32.90	15.50	--	0.00	--	--	17.40
MLU-1	South Yard	03/27/14	32.90	14.61	--	0.00	--	--	18.29
MLU-1	South Yard	06/10/14	32.90	13.97	--	0.00	--	--	18.93
MLU-1	South Yard	11/11/15	32.90	15.56	--	0.00	--	--	17.34
MLU-1	South Yard	04/18/16	32.90	14.26	--	0.00	--	--	18.64
MLU-1	South Yard	12/07/16	32.90	15.65	--	0.00	--	--	17.25
MLU-1	South Yard	06/21/17	32.90	15.01	--	0.00	--	--	17.89
MLU-1	South Yard	12/05/17	32.90	15.62	--	0.00	--	--	17.28
MLU-1	South Yard	06/26/18	32.90	14.33	--	0.00	--	--	18.57
MLU-1	South Yard	11/27/18	32.90	15.17	--	0.00	--	--	17.73
MLU-1	South Yard	06/20/19	32.90	14.26	--	0.00	--	--	18.64
MLU-1	South Yard	12/17/19	32.90	15.88	--	0.00	--	--	17.02
MLU-1	South Yard	06/10/20	32.90	13.94	--	0.00	--	--	18.96
MLU-1	South Yard	11/10/20	32.90	15.58	--	0.00	--	--	17.32
MLU-1	South Yard	06/28/21	32.90	14.08	--	0.00	--	--	18.82
MLU-1	**South Yard**	**01/06/22**	**32.90**	**14.99**	**--**	**0.00**	**--**	**--**	**17.91**
MLU-3	South Yard	08/20/99	97.62	--	--	--	--	--	--
MLU-3	South Yard	10/20/99	97.62	13.58	--	0.00	--	--	84.04
MLU-3	South Yard	07/26/01	97.62	12.05	--	0.00	--	--	85.57
MLU-3	South Yard	03/27/14	30.64	12.44	--	0.00	--	--	18.20
MLU-3	South Yard	06/10/14	30.64	11.68	--	0.00	--	--	18.96
MLU-3	South Yard	11/11/15	30.64	13.38	--	0.00	--	--	17.26
MLU-3	South Yard	04/18/16	30.64	12.09	--	0.00	--	--	18.55
MLU-3	South Yard	12/07/16	30.64	13.47	--	0.00	--	--	17.17
MLU-3	South Yard	06/21/17	30.64	11.70	--	0.00	--	--	18.94
MLU-3	South Yard	12/05/17	30.64	13.49	--	0.00	--	--	17.15
MLU-3	South Yard	06/26/18	30.64	12.11	--	0.00	--	--	18.53
MLU-3	South Yard	11/27/18	30.64	13.08	--	0.00	--	--	17.56
MLU-3	South Yard	06/20/19	30.64	12.01	--	0.00	--	--	18.63
MLU-3	South Yard	12/17/19	30.64	13.66	--	0.00	--	--	16.98
MLU-3	South Yard	06/10/20	30.64	11.71	--	0.00	--	--	18.93
MLU-3	South Yard	11/10/20	30.64	13.35	--	0.00	--	--	17.29

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
MLU-3	South Yard	06/28/21	30.64	11.80	--	0.00	--	--	18.84
MLU-3	**South Yard**	**01/06/22**	**30.64**	**13.03**	**--**	**0.00**	**--**	**--**	**17.61**
EW-1	ROW	07/22/14	35.05	12.25	--	0.00	--	--	22.80
EW-1	ROW	09/26/14	35.05	14.03	--	0.00	--	--	21.02
EW-1	ROW	10/30/14	35.05	11.86	--	0.00	--	--	23.19
EW-1	ROW	12/01/14	35.05	21.71	--	0.00	--	--	13.34
EW-1	ROW	02/20/15	35.05	21.71	--	0.00	--	--	13.34
EW-1	ROW	11/11/15	35.05	17.20	--	0.00	--	--	17.85
EW-1	ROW	04/18/16	35.05	--	--	--	--	--	--
EW-1	ROW	12/07/16	35.05	13.72	--	0.00	--	--	21.33
EW-1	ROW	06/21/17	35.05	12.20	--	0.00	--	--	22.85
EW-1	ROW	12/05/17	35.05	13.25	--	0.00	--	--	21.80
EW-1	ROW	06/26/18	35.05	13.33	--	0.00	--	--	21.72
EW-1	ROW	11/27/18	35.05	14.07	--	0.00	--	--	20.98
EW-1	ROW	06/20/19	35.05	12.20	--	0.00	--	--	22.85
EW-1	ROW	12/17/19	35.05	14.68	--	0.00	--	--	20.37
EW-1	ROW	06/10/20	35.05	12.68	--	0.00	--	--	22.37
EW-1	ROW	11/10/20	35.05	13.48	--	0.00	--	--	21.57
EW-1	ROW	06/28/21	35.05	13.96	--	0.00	--	--	21.09
SMPN-1	North Yard	03/15/05	--	11.23	Sheen	Sheen	0.00	No	--
SMPN-1	North Yard	10/04/05	--	11.96	11.72	0.24	<1/16	No	--
SMPN-1	North Yard	03/29/06	--	9.84	--	0.00	0.00	No	--
SMPN-1	North Yard	03/21/07	--	9.89	--	0.00	0.00	No	--
SMPN-1	North Yard	03/25/08	--	10.36	--	0.00	0.00	No	--
SMPN-1	North Yard	09/08-09/08	100.99	10.68	10.67	0.01	0.00	Yes	90.32
SMPN-1	North Yard	12/11/08	100.99	11.30	--	0.00	0.00	Yes	89.69
SMPN-1	North Yard	03/30-31/09	100.99	10.31	10.30	0.01	0.00	Yes	90.69
SMPN-1	North Yard	06/15/09	100.99	9.73	9.72	0.01	0.00	Yes	91.27
SMPN-1	North Yard	09/10-11/09	100.99	11.13	--	0.00	0.00	Yes	89.86
SMPN-1	North Yard	02/23/10	100.99	9.86	--	0.00	0.00	Yes	91.13
SMPN-1	North Yard	03/15/10	100.99	9.83	--	0.01	0.00	Yes	91.17
SMPN-1	North Yard	09/15/10	100.99	11.13	11.12	0.01	--	Yes	89.87
SMPN-1	North Yard	12/04/10	100.99	10.53	10.53	0.00	--	Yes	90.46
SMPN-1	North Yard	11/16/11	33.78	11.27	--	0.00	--	Yes	22.51
SMPN-1	North Yard	12/08/11	33.78	9.79	9.78	0.01	0.05[4]	Yes	24.00
SMPN-1	North Yard	03/23/12	33.78	8.27	8.25	0.02	0.50	Yes	25.53
SMPN-1	North Yard	06/01/12	33.78	8.85	--	0.00	--	Yes	24.93
SMPN-1	North Yard	09/20/12	33.78	11.14	10.96	0.18	--	Yes	22.78
SMPN-1	North Yard	12/26/12	33.78	8.50	--	0.00	--	Yes	25.28
SMPN-1	North Yard	04/22/13	33.78	8.75	--	0.00	--	Yes	25.03
SMPN-1	North Yard	06/26/13	33.78	9.54	--	0.00	--	Yes	24.24
SMPN-1	North Yard	09/18/13	33.78	11.29	--	0.00	--	Yes	22.49
SMPN-1	North Yard	10/14/13	33.78	10.49	--	0.00	--	Yes	23.29
SMPN-1	North Yard	03/27/14	33.78	9.46	--	0.00	--	Yes	24.32
SMPN-1	North Yard	06/10/14	33.78	9.23	--	0.00	--	Yes	24.55
SMPN-2	North Yard	03/15/05	101.24	11.21	11.20	0.01	0.00	No	--

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
SMPN-2	North Yard	03/29/06	101.24	9.48	--	0.00	0.00	No	--
SMPN-2	North Yard	03/21/07	101.24	9.20	9.15	0.05	<0.05	No	--
SMPN-2	North Yard	03/25/08	101.24	10.11	--	0.00	0.00	No	--
SMPN-2	North Yard	09/08-09/08	101.24	10.51	10.50	0.01	0.00	Yes	90.74
SMPN-2	North Yard	12/11/08	101.24	11.06	11.05	0.01	0.00	No	90.19
SMPN-2	North Yard	03/30-31/09	101.24	10.12	10.11	0.01	0.00	No	91.13
SMPN-2	North Yard	06/15/09	101.24	9.51	9.50	0.01	0.00	No	91.74
SMPN-2	North Yard	09/10-11/09	101.24	10.99	10.98	0.01	0.00	No	90.26
SMPN-2	North Yard	02/23/10	101.24	9.23	10.98	0.00	0.00	No	92.01
SMPN-2	North Yard	03/15/10	101.24	9.37	9.36	0.01	0.00	No	91.88
SMPN-2	North Yard	09/15/10	101.24	11.07	10.89	0.18	--	No	90.31
SMPN-2	North Yard	12/04/10	101.24	10.35	10.28	0.07	--	No	90.95
SMPN-2	North Yard	03/14/11	101.24	8.93	--	0.00	--	No	92.31
SMPN-2	North Yard	11/16/11	33.85	9.97	9.96	0.01	0.05[4]	No	23.89
SMPN-2	North Yard	12/08/11	33.85	9.61	--	0.00	--	No	24.24
SMPN-2	North Yard	03/23/12	33.85	8.12	8.10	0.02	0.50	No	25.75
SMPN-2	North Yard	06/01/12	33.85	8.40	8.30	0.10	1.00	No	25.53
SMPN-2	North Yard	09/20/12	33.85	11.11	10.95	0.16	--	No	22.87
SMPN-2	North Yard	12/26/12	33.85	8.51	--	0.00	--	No	25.34
SMPN-2	North Yard	04/22/13	33.85	7.88	--	0.00	--	No	25.97
SMPN-2	North Yard	06/26/13	33.85	8.70	--	0.00	--	No	25.15
SMPN-2	North Yard	09/18/13	33.85	10.82	10.81	0.01	--	Yes	23.04
SMPN-2	North Yard	10/14/13	33.85	10.50	--	0.00	--	Yes	23.35
SMPN-2	North Yard	03/27/14	33.85	9.39	--	0.00	--	Yes	24.46
SMPN-2	North Yard	06/10/14	33.85	3.74	--	0.00	--	Yes	30.11
SMPN-3	North Yard	03/15/05	--	11.46	--	0.00	--	No	--
SMPN-3	North Yard	03/29/06	--	9.56	--	0.00	--	No	--
SMPN-3	North Yard	03/21/07	--	9.03	--	0.00	--	No	--
SMPN-3	North Yard	03/25/08	--	10.30	--	0.00	--	No	--
SMPN-3	North Yard	09/08-09/08	101.02	10.67	10.66	0.01	0.00	Yes	90.36
SMPN-3	North Yard	12/11/08	101.02	11.26	--	0.00	--	No	89.76
SMPN-3	North Yard	03/30-31/09	101.02	10.28	10.27	0.01	0.00	No	90.75
SMPN-3	North Yard	06/15/09	101.02	9.59	--	0.00	--	No	91.43
SMPN-3	North Yard	09/10-11/09	101.02	11.08	--	0.01	--	No	89.95
SMPN-3	North Yard	02/23/10	101.02	9.44	--	0.00	--	No	91.58
SMPN-3	North Yard	03/15/10	101.02	9.51	--	0.01	--	No	91.52
SMPN-3	North Yard	09/15/10	101.02	11.14	--	0.00	--	No	89.88
SMPN-3	North Yard	12/04/10	101.02	10.49	--	0.00	--	No	90.53

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Well Number	Well Location	Date Measured	Well Casing Elevation[1]	Depth to Groundwater[2] (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	LNAPL Removed (gallons)	Absorbent Sock in Well (Yes / No)	Groundwater Elevation[3] (feet)
SMPN-3	North Yard	03/14/11	101.02	9.12	--	0.00	--	No	91.90
SMPN-3	North Yard	11/16/11	33.81	11.06	10.94	0.12	0.05[4]	No	22.85
SMPN-3	North Yard	12/08/11	33.81	9.73	--	0.00	--	No	24.08
SMPN-3	North Yard	03/23/12	33.81	8.30	--	0.00	--	No	25.51
SMPN-3	North Yard	06/01/12	33.81	8.05	--	0.00	--	No	25.76
SMPN-3	North Yard	09/20/12	33.81	11.22	--	0.00	--	No	22.59
SMPN-3	North Yard	12/26/12	33.81	8.89	--	0.00	--	No	24.92
SMPN-3	North Yard	04/22/13	33.81	8.30	--	0.00	--	No	25.51
SMPN-3	North Yard	06/26/13	33.81	9.02	--	0.00	--	No	24.79
SMPN-3	North Yard	09/18/13	33.81	11.06	--	0.00	--	No	22.75
SMPN-3	North Yard	10/14/13	33.81	10.52	--	0.00	--	No	23.29
SMPN-3	North Yard	03/27/14	33.81	8.68	--	0.00	--	No	25.13
SMPN-3	North Yard	06/10/14	33.81	9.39	--	0.00	--	Yes	24.42

Notes:

[1]Well casing elevations listed in feet above North American Vertical Datum of 1988 (NAVD 88). Approximate monitoring well locations are shown on Figure 2.

[2]Below top of casing.

[3]Elevation post September 2011 referenced to horizontal datum North American Datum of 1983/1998, State Plane Coordinates Washington North Zone and vertical datum NAVD 88. Elevation pre September 2011 based on an arbitrary vertical datum.

[4]LNAPL + water removed

[5]LNAPL only removed

1. Groundwater elevation corrected for the presence of LNAPL using a specific gravity of 0.80; correction factor: [(TOC-DTW)+(LNAPL x 0.80)].
2. **Bolded** data are for the current reporting period.
3. Grey well indicates the well is no longer present.

Acronyms and Abbreviations:

* = interface probe not recognizing LNAPL, bailer dropped in well, LNAPL thickness greater than 3 feet
-- = not measured or not obtainable
LNAPL = light nonaqueous phase liquid
ROW = Public Right-of-Way
sheen = sheen observed in water

Table 2
Well Construction Details
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well ID	Compliance Well	Well Type	Installation Date	Decommission Date	Comment	Well Construction Details			Well Construction Details		
		AS / DPE / MW / EFR / IW / SMP				Top of Screen Depth	Bottom of Screen Depth	Total Well Depth	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation
						feet bgs	feet bgs	feet bgs	feet	feet	feet
NORTH YARD											
MW-24	--	MW	07/03/97	--	--	15	35	36	69.77	54.77	34.77
MLU-2	--	MW	04/23/91	Presumably before Sept. 1993	Excavated during 2014/2015 Touchstone remediation.	8	18	19	--	--	--
MW-1	--	MW	08/05/93	June-October 1999	Excavated during 2014/2015 Touchstone remediation.	9.1	18.5	19.5	--	--	--
MW-2	--	MW	08/06/93	June-October 1999	Excavated during 2014/2015 Touchstone remediation.	7.7	17.1	18	--	--	--
MW-3	--	MW/IW/EFR	08/10/93	September 2014/ January 2015	LNAPL removal in 1990s-2010s. IW operated in 1999-2000. Thee EFR events conducted in April-May 2001. Excavated during 2014/2015 Touchstone remediation.	7.9	15.1	17.5	--	--	--
MW-5	--	MW	08/10/93	June-October 1999	Excavated during 2014/2015 Touchstone remediation.	5	8.5	8.8	--	--	--
MW-6	--	MW	08/11/93	June-October 1999	Excavated during 2014/2015 Touchstone remediation.	8.8	17.8	18.2	--	--	--
MW-10	--	MW/IW/EFR	08/16/93	September 2014/ January 2015	IW operated in 1999-2000. LNAPL removal in 2000s. Three EFR events conducted in April-May 2001. Excavated during 2014/2015 Touchstone remediation.	9.1	16.5	19.2	--	--	--
MW-12	--	MW/IW/EFR	08/18/93	September 2014/ January 2015	LNAPL removal in 1990s-2000s. IW operated in 1999-2000. Three EFR events conducted in April-May 2001. Excavated during 2014/2015 Touchstone remediation.	5.1	13.8	20.8	--	--	--
MW-27	--	MW/IW/EFR	08/06/99	September 2014/ January 2015	IW operated in 1999-2000. Three EFR events conducted in April-May 2001. LNAPL removal in 2000s-2010s. Excavated during 2014/2015 Touchstone remediation.	5	20	21.5	--	--	--
MW-28	--	MW/IW/EFR	08/06/99	September 2014/ January 2015	IW operated in 1999-2000. Three EFR events conducted in April-May 2001. LNAPL removal in 2000s. Excavated during 2014/2015 Touchstone remediation.	5	20	21	--	--	--
SMPN-1	--	SMP	08/06/99	September 2014/ January 2015	SMP installed to monitor 1999-2000 injection. LNAPL removal in 2010s. Excavated during 2014/2015 Touchstone remediation.	9.5	14.5	15.5	--	--	--
SMPN-2	--	SMP	08/06/99	September 2014/ January 2015	SMP installed to monitor 1999-2000 injection. LNAPL removal in 2010s. Excavated during 2014/2015 Touchstone remediation.	10	15	15.5	--	--	--
SMPN-3	--	SMP	08/06/99	September 2014/ January 2015	SMP installed to monitor 1999-2000 injection. LNAPL removal in 2010s. Excavated during 2014/2015 Touchstone remediation.	10	15	15.5	--	--	--
PUBLIC RIGHT-OF-WAY											
EW-1	--	MW	07/16/14	--	--	7.5	22.5	24	35.05	27.55	12.55
MW-11	--	MW	08/17/93	--	--	6	15.5	19.8	33.29	27.29	17.79
MW-14	--	MW	10/11/93	--	--	9.2	15.6	19.5	31.61	22.41	16.01
MW-15	--	MW/IW	10/12/93	--	IW operated in 1999-2000	9.4	18.8	19.5	31.6	22.2	12.8
MW-19	North Yard	MW	07/01/97	--	--	4	19	20.5	30.87	26.87	11.87
MW-20	North Yard	MW/IW	07/02/97	--	IW operated in 1999-2000	5	23	23	31.49	26.49	8.49
MW-21	North Yard	MW/IW	07/03/97	--	IW operated in 1999-2000	5	23	23	31.26	26.26	8.26
MW-22	--	MW/IW	07/02/97	--	IW operated in 1999-2000	5	23	23	32.68	27.68	9.68
MW-29	--	MW	07/15/14	--	--	7.5	22.5	24	34.06	26.56	11.56
MW-30	--	MW	07/16/14	--	--	7.5	22.5	24	33.45	25.95	10.95
MW-9	--	MW/EFR	08/13/93	7/16/2014	LNAPL removal in 1990s-2010s. Three EFR events conducted in April-May 2001.	12.5	21.9	28	36.46	23.96	14.56
MW-9R	--	MW/DPE	07/16/14	Overdrill of MW-9	DPE pilot test conducted January 5 to 8, 2015.	12.5	22.5	24	36.33	23.83	13.83
SOUTH YARD											
AGI-2	South Yard	MW/IW	06/25/93		IW operated in 1999-2000	8	23	41.5	30.68	22.68	7.68
MLU-1	South Yard	MW	04/22/91	--	--	10	20	24	32.9	22.9	12.9

Table 2
Well Construction Details
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Well ID	Compliance Well	Well Type	Installation Date	Decommission Date	Comment	Well Construction Details			Well Construction Details		
		AS / DPE / MW / EFR / IW / SMP				Top of Screen Depth	Bottom of Screen Depth	Total Well Depth	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation
						feet bgs	feet bgs	feet bgs	feet	feet	feet
MLU-3	South Yard	MW	04/24/91	--	--	11	21	23	30.64	19.64	9.64
MW-25	South Yard	MW	08/05/99	--	--	5	20	21.6	30.91	25.91	10.91
MW-26	South Yard	MW	08/06/99	--	--	5	20	21.5	30.62	25.62	10.62
MW-4	South Yard	MW	08/09/93	--	--	9.7	19.4	21	33.92	24.22	14.52
MW-7	South Yard	MW/IW	08/12/93	--	IW operated in 1999-2000	6.5	16.5	17	31.13	24.63	14.63
MW-8	South Yard	MW/IW	08/12/93	Excavated in October 2003	IW operated in 1999-2000	9.2	18.5	19.5	--	--	--
MW-8A	South Yard	MW	11/18/03	--	Same location as MW-8	10	25	25.5	30.31	20.31	5.31
AS-1	--	AS	11/07/01	--	AS operated in 2002-2003	36	38	38	--	--	--
AS-2	--	AS	11/08/01	--	AS operated in 2002-2003	36	38	38	--	--	--
AS-3	--	AS	11/08/01	--	AS operated in 2002-2003	41	44	45	--	--	--
AS-4	--	AS	11/08/01	--	AS operated in 2002-2003	40	43	44	--	--	--
AS-5	--	AS	11/09/01	--	AS operated in 2002-2003	40	43	44	--	--	--
AS-6	--	AS	11/09/01	--	AS operated in 2002-2003	41	44	44	--	--	--
SMPS-1	--	SMP	08/05/99	--	SMP installed to monitor 1999-2000 injection	10	15	15.5	--	--	--
SMPS-2	--	SMP	08/05/99	--	SMP installed to monitor 1999-2000 injection	10	15	15.5	--	--	--
SMPS-3	--	SMP	08/05/99	--	SMP installed to monitor 1999-2000 injection	10	15	15.5	--	--	--
OFFSITE											
MW-13	--	MW	08/18/93	--	Well transferred to the adjacent Triad Northlake cleanup site (CSID 790) in 1999.	13.3	22.7	40.3	--	--	--
MW-16	--	MW	10/15/93	--	Well presumed transferred to the adjacent Triad Northlake cleanup site (CSID 790) in 1999.	9.5	24.1	24.8	--	--	--
MW-17	--	MW	10/14/93	--	Well transferred to the adjacent Triad Northlake cleanup site (CSID 790) in 1999.	8.7	23	23.9	--	--	--
MW-18	--	MW	07/01/97	--	Well transferred to the adjacent Triad Northlake cleanup site (CSID 790) in 1999.	4	19	19.5	--	--	--
MW-23	--	MW	07/02/97	--	Well transferred to the adjacent Triad Northlake cleanup site (CSID 790) in 1999.	5	20	21	--	--	--

Notes:

1. Grey well indicates the well is no longer present.

Acronyms and Abbreviations:

-- = not applicable/ not available
AS = air sparge well
bgs = below ground surface
CSID = Cleanup Site Identification Number
DPE = dual-phase extraction well
MW = monitoring well
EFR = monitoring well used for enhanced fluid recovery (EFR) event
IW = monitoring well used as hydrogen peroxide injection well
LNAPL = light nonaqueous phase liquid
SMP = supplementary monitoring points installed for hydrogen peroxide injection monitoring

Table 3
Historical Soil Petroleum Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
P-1	North Yard	Removed	4/1/1988	2.5	--	--	--	--	--	--	--	--	--	--	1 U	1.6 U	--
P-1	North Yard	Removed	4/1/1988	7.5	--	--	--	--	--	--	--	--	--	--	1 U	1.6 U	--
P-2	North Yard	Removed	4/1/1988	2.5	--	--	--	--	--	--	--	--	--	--	1.4	1.6 U	--
P-2	North Yard	Removed	4/1/1988	7.5	--	--	--	--	--	--	--	--	--	--	1.5	1.6 U	--
P-4	South Yard	Not Removed	4/1/1988	5	7	--	--	--	--	--	--	--	--	--	1 U	1.6 U	--
P-5	South Yard	Not Removed	4/1/1988	18	320	6	95	72	11	130	--	--	--	--	1.9	1.6 U	--
TP-1	ROW	Not Removed	4/1/1988	5	--	--	--	--	--	--	--	--	--	--	1 U	1.6 U	--
TP-2	ROW	Not Removed	4/1/1988	5	--	--	--	--	--	--	--	--	--	--	2.4	1.6 U	--
TP-3	ROW	Not Removed	4/1/1988	5	--	--	--	--	--	--	--	--	--	--	1 U	1.6 U	--
B1	NA	Not Removed	4/1/1991	NA	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
B2	NA	Not Removed	4/1/1991	NA	0.05 U	3.30	0.65	--	--	--	--	13.00	--	--	20 U	50 U	100 U
B3	NA	Not Removed	4/1/1991	NA	0.050 U	0.73	0.25	--	--	--	--	2.6	--	--	20 U	50 U	100 U
MLU-1	South Yard	Not Removed	4/22/1991	3	--	--	--	--	--	--	--	--	280	--	--	--	--
MLU-1	South Yard	Not Removed	4/22/1991	11	--	--	--	--	--	--	--	--	35	--	--	--	--
MLU-2	South Yard	Not Removed	4/23/1991	9	--	--	--	--	--	--	--	--	640	--	--	--	--
MLU-3	South Yard	Not Removed	4/23-24/1991	3	--	--	--	--	--	--	--	--	49	--	--	--	--
SS-01	North Yard	Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	2,000	--	50 U	--	--
SS-02	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	290	--	--	--	--
SS-03	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	--	--	--	220	--
SS-04	ROW	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	35	--	--	--	--
SS-05	ROW	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	29	--	--	--	--
SS-06	ROW	Not Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	59	--	50 U	--	--
SS-07	ROW	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	79	--	--	--	--
SS-08	Offsite	Not Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	71	--	50 U	--	--
SS-09	Offsite	Not Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	200	--	50 U	--	--
SS-10	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	390	--	--	--	--
SS-11	Offsite	Not Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	740	--	50 U	--	--
SS-12	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	230	--	--	--	--
SS-13	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	830	--	--	--	--
SS-14	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	370	--	--	--	--
SS-15	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	370	--	--	--	--
SS-16	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	1,200	--	--	--	--
SS-18	Offsite	Not Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	400	--	--	--	--
SS-19	North Yard	Removed	4/1/1991	0-1	0.050 U	0.050 U	0.050 U	--	0.050 U	--	0.050 U	--	4,800	--	50 U	--	--
SS-20	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	1,600	--	--	--	--
SS-21	North Yard	Removed	4/1/1991	0-1	0.050 U	1.5	2	--	4.7	--	3.6	--	3,600	--	--	85	--
SS-22	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	3,000	--	--	--	--
SS-23	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	980	--	--	--	--
SS-24	North Yard	Removed	4/1/1991	0-1	--	--	--	--	--	--	--	--	1,100	--	--	--	--
WYTP1A	North Yard	Removed	4/1/1991	2-3	--	--	--	--	--	--	--	--	--	100 U	--	--	--
WYTP1B	North Yard	Removed	4/1/1991	3-4	--	--	--	--	--	--	--	--	--	110	--	--	--
WYTP1C	North Yard	Removed	4/1/1991	4-6	--	--	--	--	--	--	--	--	--	100 U	--	--	--
WYTP2A	North Yard	Removed	4/1/1991	2-3	--	--	--	--	--	--	--	--	--	100 U	20 U	50 U	100 U
WYTP2B	North Yard	Removed	4/1/1991	3-4	--	--	--	--	--	--	--	--	--	100 U	20 U	50 U	100 U
WYTP2C	North Yard	Removed	4/1/1991	4-6	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
WYTP3A	North Yard	Removed	4/1/1991	2-3	--	--	--	--	--	--	--	--	--	1,400	--	--	--
WYTP3B	North Yard	Removed	4/1/1991	3-4	--	--	--	--	--	--	--	--	--	11,000	--	--	--

Table 3
Historical Soil Petroleum Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
WYTP4A	North Yard	Removed	4/1/1991	2-3	--	--	--	--	--	--	--	--	--	100 U	--	--	--
WYTP4B	North Yard	Removed	4/1/1991	3-4	--	--	--	--	--	--	--	--	--	100 U	--	--	--
AGI1	Offsite	Not Removed	6/22/1993	12.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
AGI-2	South Yard	Not Removed	6/25/1993	12.5	14	67	150	--	110	--	260	--	--	--	**5,500**	-- Y	100 U
HB1	North Yard	Removed	7/28/1993	0.2	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	20.0 U	-- Y	430
HB1	North Yard	Removed	7/28/1993	1.8	--	--	--	--	--	--	--	--	--	--	20.0 U	900	100 U
HB2	North Yard	Removed	7/28/1993	0.1	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	20.0 U	-- Y	120
HB2	North Yard	Removed	7/28/1993	2	0.25 U	0.43	3.7	--	5.5	--	17 J	--	--	--	1200	310	100 U
HB2 (dup)	North Yard	Removed	7/28/1993	2	--	--	--	--	--	--	--	--	--	--	20.0 U	320	100 U
HB3	North Yard	Removed	7/28/1993	0.1	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	20.0 U	-- Y	160
HB3	North Yard	Removed	7/28/1993	1.8	0.25 U	0.25 U	1.9	--	3.2	--	5.7	--	--	--	840	380	100 U
HB4	North Yard	Removed	7/28/1993	0.1	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	20.0 U	-- Y	390
HB4 (dup)	North Yard	Removed	7/28/1993	0.1	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	20.0 U	-- Y	400
HB5	South Yard	Not Removed	7/28/1993	1	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
HB7	South Yard	Confirmed	7/28/1993	0.4	--	--	--	--	--	--	--	--	--	--	20.0 U	-- Y	330
HB8	South Yard	Confirmed	7/28/1993	1	--	--	--	--	--	--	--	--	--	--	20.0 U	**7,500**	100 U
HB9	South Yard	Not Removed	7/28/1993	1	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
HS1	North Yard	Removed	7/28/1993	NA	--	--	--	--	--	--	--	--	--	--	20 U	**14,000**	-- Y
HS2	North Yard	Removed	7/28/1993	NA	--	--	--	--	--	--	--	--	--	--	20 U	**14,000**	100 U
HS3	North Yard	Removed	7/28/1993	NA	--	--	--	--	--	--	--	--	--	--	-- Y	2,200	-- Y
HS4	South Yard	Confirmed	7/28/1993	0.3	--	--	--	--	--	--	--	--	--	--	20.0 U	**15,000**	100 U
HS5	North Yard	Removed	7/28/1993	NA	--	--	--	--	--	--	--	--	--	--	20 U	**7,700**	100 U
MW1	North Yard	Removed	8/5/1993	18	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	11	50 U	100 U
MW1	North Yard	Removed	8/5/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW2	North Yard	Removed	8/6/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW2	North Yard	Removed	8/6/1993	14	--	--	--	--	--	--	--	--	--	--	20 U	2,900	100 U
MW3	North Yard	Removed	8/9/1993	6.5	0.25 U	0.25 U	3.2	--	0.25 U	--	11	--	--	--	2,300	-- Y	-- Y
MW3	North Yard	Removed	8/9/1993	12	0.6	0.25 U	15.00 J	--	0.25 U	--	27 J	--	--	--	3,400	4,600	100 U
MW3	North Yard	Removed	8/9/1993	16	--	--	--	--	--	--	--	--	--	--	20 U	98	100 U
MW4	South Yard	Not Removed	8/10/1993	2.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW4	South Yard	Not Removed	8/10/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW5	North Yard	Removed	8/10/1993	5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW5	North Yard	Removed	8/10/1993	8.4	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW6	North Yard	Removed	8/11/1993	5	0.25 U	1.1 J	13	--	11	--	45	--	--	--	-- Y	**8,000**	100 U
MW6	North Yard	Removed	8/11/1993	12.5	--	--	--	--	--	--	--	--	--	--	-- Y	-- Y	100 U
MW6	North Yard	Removed	8/11/1993	17	3.8	58	35	--	38	--	110	--	--	--	-- Y	**11,000**	100 U
MW7	South Yard	Not Removed	8/12/1993	10	0.25 U	0.49	2.50	--	4.7	--	7.6	--	--	--	560	50 U	100 U
MW7	South Yard	Not Removed	8/12/1993	14	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW8	South Yard	Removed	8/12/1993	2.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW8	South Yard	Removed	8/12/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW9	North Yard	Removed	8/13/1993	15	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	31	50 U	100 U
MW10	North Yard	Removed	8/17/1993	11	9.9	79	82	--	110	--	290	--	--	--	6,700	1,800	100 U
MW11	ROW	Not Removed	8/17/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW12	North Yard	Removed	7/28/1993	10	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
MW13	Offsite	Not Removed	8/18/1993	17.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
SB1	North Yard	Removed	8/11/1993	2.5	0.25 U	0.25 U	0.25 U	--	0.25 U	--	0.25 U	--	--	--	-- Y	1,600	100 U
SB2	North Yard	Removed	8/11/1993	2.5	0.25 U	0.25 U	0.11 J	--	0.25 U	--	0.3	--	--	--	-- Y	3,600	100 U

Table 3
Historical Soil Petroleum Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
SB3	North Yard	Removed	8/12/1993	2.5	0.25 U	0.25 U	0.85	--	0.25 U	--	2.2	--	--	--	780	50 U	100 U
SB4	North Yard	Removed	8/12/1993	7.5	--	--	--	--	--	--	--	--	--	--	-- Y	1,100	100 U
SB5	North Yard	Removed	8/12/1993	7.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
SB7	North Yard	Removed	8/13/1993	6	0.28	11.00	7.6	--	15	--	31	--	--	--	760	-- Y	100 U
SB7	North Yard	Removed	8/13/1993	14	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
SB7	North Yard	Removed	8/13/1993	18	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
SB8	ROW	Not Removed	8/13/1993	12.5	2.50	0.25 U	67.00	--	0.25 U	--	210.0 J	--	--	--	**7,600**	**16,000 J**	100 U
SB9	North Yard	Removed	8/17/1993	6.5	0.25 U	0.25 U	5.3	--	0.25 U	--	18	--	--	--	3,100	810 J	100 U
SB10	North Yard	Removed	8/17/1993	6	3.1	30	25	--	41	--	89	--	--	--	-- Y	1,000 J	100 U
SB10	North Yard	Removed	8/17/1993	17.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
SB11	South Yard	Not Removed	8/19/1993	12.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP1	North Yard	Removed	7/28/1993	4.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP2	Offsite	Not Removed	7/28/1993	2	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP3	Offsite	Not Removed	7/28/1993	1	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP4	Offsite	Not Removed	7/28/1993	4	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP5	ROW	Not Removed	7/29/1993	4	--	--	--	--	--	--	--	--	--	--	-- Y	50 U	100 U
TP5	ROW	Not Removed	7/29/1993	7	0.025 U	0.025 U	0.025 U	--	0.025 U	--	0.025 U	--	--	--	20 U	50 U	100 U
TP6	ROW	Not Removed	7/29/1993	7.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP9	South Yard	Not Removed	7/28/1993	11.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP10	South Yard	Not Removed	7/30/1993	3	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP10 (dup) (TPA)	South Yard	Not Removed	7/30/1993	3	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP10	South Yard	Not Removed	7/30/1993	7	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP10	South Yard	Not Removed	7/30/1993	12	0.025 U	0.025 U	0.025 U	--	--	--	0.082 J	--	--	--	20 U	50 U	100 U
TP10 (dup)	South Yard	Not Removed	7/30/1993	12	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP10 Replicate	South Yard	Not Removed	7/30/1993	12	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP11	South Yard	Not Removed	7/30/1993	5.5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
TP12	South Yard	Not Removed	7/30/1993	5	--	--	--	--	--	--	--	--	--	--	20 U	50 U	100 U
Vault		Not Removed	7/28/1993	NA	--	--	--	--	--	--	--	--	--	--	20 U	50 U	320
MW18-11	Offsite	Not Removed	7/1/1997	11	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	10.0 U	25.0 U
MW19-11	ROW	Not Removed	7/1/1997	11	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	207.0	492.0
MW20-12	ROW	Not Removed	7/2/1997	12	0.050 U	0.050 U	0.050 U	--	--	--	--	0.551	--	--	15.3	10.0 U	25.0 U
MW21-11	ROW	Not Removed	7/3/1997	11	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	10.0 U	25.0 U
MW22-11	ROW	Not Removed	7/2/1997	11	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	10.0 U	25.0 U
MW23-11	Offsite	Not Removed	7/2/1997	11	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	10.0 U	25.0 U
MW24-21	North Yard	Not removed	7/3/1997	21	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	10.0 U	25.0 U
Stockpile	NA	Not Removed	7/3/1997	NA	0.050 U	0.050 U	0.050 U	--	--	--	--	0.10 U	--	--	5.0 U	154.0	25.0 U
MW-25	South Yard	Not Removed	8/5/1999	10.5	0.05 U	--	--	--	--	--	--	--	--	--	5 U	10 U	25 U
MW-25	South Yard	Not Removed	8/5/1999	11	0.05 U	--	--	--	--	--	--	--	--	--	5 U	10 U	25 U
MW-25	South Yard	Not Removed	8/5/1999	20.5	0.05 U	--	--	--	--	--	--	--	--	--	5 U	10 U	25 U
MW-26	South Yard	Not Removed	8/5/1999	10.5	0.05 U	--	--	--	--	--	--	--	--	--	5 U	160	256
MW-26	South Yard	Not Removed	8/5/1999	20	0.05 U	--	--	--	--	--	--	--	--	--	5 U	21.4	44.4
MW-27	North Yard	Removed	8/6/1999	10	0.05 U	--	--	--	--	--	--	--	--	--	512	10 U	25 U
MW-27	North Yard	Removed	8/6/1999	10.5	0.05 U	--	--	--	--	--	--	--	--	--	23.9	10 U	25 U
MW-27	North Yard	Removed	8/6/1999	20.5	0.05 U	--	--	--	--	--	--	--	--	--	5.72	10 U	25 U
MW-28	North Yard	Removed	8/6/1999	10.5	0.104	--	--	--	--	--	--	--	--	--	178	120	73
MW-28	North Yard	Removed	8/6/1999	15.5	0.05 U	--	--	--	--	--	--	--	--	--	6.01	10.0 U	25 U
AS-1	South Yard	Not Removed	11/7/2001	10	0.0300 U	0.0500 U	0.0500 U	--	--	--	--	0.100 U	--	--	5.0 U	10.0 U	25.0 U

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Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
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Seattle, Washington

Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
AS-2	South Yard	Not Removed	11/7/2001	15	0.330	0.756	2.59	--	--	--	--	11.3	--	--	322	29.3	25.0 U
AS-3	South Yard	Not Removed	11/7/2001	10	0.0300 U	0.0500 U	0.0500 U	--	--	--	--	0.100 U	--	--	5.0 U	10.0 U	25.0 U
AS-4	South Yard	Not Removed	11/7/2001	15	0.0300 U	0.0500 U	0.0500 U	--	--	--	--	0.100 U	--	--	5.0 U	10.0 U	25.0 U
AS-5	South Yard	Not Removed	11/7/2001	10	0.0300 U	0.0500 U	0.0500 U	--	--	--	--	0.100 U	--	--	5.0 U	26.7	25.0 U
AS-5	South Yard	Not Removed	11/7/2001	15	0.406	0.0500 U	0.321	--	--	--	--	1.26	--	--	42.3	10.0 U	25.0 U
AS-6	South Yard	Not Removed	11/7/2001	15	0.0300 U	0.0500 U	0.0500 U	--	--	--	--	0.100 U	--	--	5.0 U	10.0 U	25.0 U
GP-1	South Yard	Not Removed	11/9/2001	4	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	10	<25.0 U
GP-2	South Yard	Not Removed	11/9/2001	5	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	10	<25.0 U
GP-3	South Yard	Not Removed	11/9/2001	5.5	0.025 U	0.200	0.376	--	--	--	--	2.54	--	--	39.7	10	<25.0 U
GP-3	South Yard	Not Removed	11/9/2001	10.5	0.191	0.881	4.40	--	--	--	--	19.000	--	--	2790	--	--
GP-3	South Yard	Not Removed	11/9/2001	7	--	--	--	--	--	--	--	--	--	--	--	10	<25.0 U
GP-3 DUP	South Yard	Not Removed	11/9/2001	7	--	--	--	--	--	--	--	--	--	--	--	10	<25.0 U
GP-4	ROW	Not Removed	11/9/2001	5.5	0.0872	0.200	0.213	--	--	--	--	0.713	--	--	10.8	10	<25.0 U
GP-5	ROW	Not Removed	11/9/2001	5.5	0.025	0.200	0.200 U	--	--	--	--	--	--	--	10 U	10.3	<25.0 U
GP-5	ROW	Not Removed	11/9/2001	7	0.258	0.934	2.98	--	--	--	--	3.28	--	--	981	**5,320**	761
GP-6	South Yard	Not Removed	11/9/2001	3	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	10	<25.0 U
GP-6	South Yard	Not Removed	11/9/2001	9	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	--	--
GP-6	South Yard	Not Removed	11/9/2001	15	0.653	0.585	2.72	--	--	--	--	13.2	--	--	171	--	--
GP-7	South Yard	Not Removed	11/9/2001	9	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	--	--
GP-7 DUP	South Yard	Not Removed	11/9/2001	9	0.025 U	0.200	0.200 U	--	--	--	--	0.200 U	--	--	10 U	--	--
MW-8A-20	South Yard	Not Removed	11/18/2003	20	0.03 U	--	--	--	--	--	--	--	--	--	5 U	10 U	25 U
S-1-17	South Yard	Not Removed	12/8/2003	17	0.03 U	ND	ND	--	--	--	--	ND	--	--	5 U	10 U	25 U
S-2-15	South Yard	Not Removed	12/8/2003	15	0.544	ND	ND	--	--	--	--	0.159	--	--	5 U	26.9	55.6
S-3-15	South Yard	Not Removed	12/8/2003	15	0.266	ND	ND	--	--	--	--	0.231	--	--	5 U	10 U	25 U
S-4-15	South Yard	Not Removed	12/8/2003	15	0.03 U	ND	ND	--	--	--	--	ND	--	--	5 U	10 U	25 U
S-5-15	South Yard	Not Removed	12/8/2003	15	1.77	ND	0.07	--	--	--	--	0.469	--	--	5 U	16.8	33.7
S-6-17	South Yard	Not Removed	12/8/2003	17	0.03 U	ND	ND	--	--	--	--	ND	--	--	5 U	10 U	25 U
P-1B-14	ROW	Not Removed	6/14/2006	14	1.27	0.286	10.9	--	--	--	--	8.94	--	--	1810	4590	559 U
P-1B-16	ROW	Not Removed	6/14/2006	16	6.53	2.16 U	63.7	--	--	--	--	14.50	--	--	**5,150**	1660	282 U
P-2-15	ROW	Not Removed	5/17/2006	15	0.478	0.445 U	3.26	--	--	--	--	3.67	--	--	766	4350	571 U
P-2-20	ROW	Not Removed	5/17/2006	20	0.456	0.0471 U	0.450	--	--	--	--	0.536	--	--	51.3	225	29.4 U
P-3-14.5	ROW	Not Removed	6/12/2006	14.5	0.0309 U	0.0516 U	0.0516 U	--	-- U	--	--	0.103 U	--	--	5.16 U	11.8 U	29.5 U
P-3-16	ROW	Not Removed	6/12/2006	16	9.54	2.03 U	9.38	--	--	--	--	24.2	--	--	**4,750**	--	--
P-3-19	ROW	Not Removed	6/12/2006	19	0.0252 U	0.041 U	0.041 U	--	-- U	--	--	0.0842 U	--	--	4.82	11.4 U	28.4 U
P-4-14	ROW	Not Removed	6/12/2006	14	0.0286 U	0.0477 U	0.0477 U	--	--	--	--	0.0954	--	--	4.77 U	11.4 U	28.6 U
P-5-13.5	ROW	Not Removed	5/17/2006	13.5	0.0252 U	0.042 U	0.042 U	--	-- U	--	--	0.0841 U	--	--	4.20 U	10.9 U	27.2 U
P-6A-16	ROW	Not Removed	6/12/2006	16	1.73	0.923 U	5.12	--	--	--	--	4.07	--	--	1650	39.5	27.7 U
P-6A-19	ROW	Not Removed	6/12/2006	19	1.41	1.92	3.80	--	--	--	--	12.3	--	--	2170	303	37.0
P-7-14.5	ROW	Not Removed	6/13/2006	14.5	0.0315 U	0.0525 U	0.0525 U	--	-- U	--	--	0.105 U	--	--	5.25 U	12.1 U	30.3 U
P-8-14.5	ROW	Not Removed	6/13/2006	14.5	0.0319 U	0.0532 U	0.0532 U	--	-- U	--	--	0.106 U	--	--	5.32 U	11.7 U	29.3 U
P-9-13	ROW	Not Removed	5/17/2006	13	0.0231 U	0.0385 U	0.385 U	--	-- U	--	--	0.771 U	--	--	3.85 U	10.8 U	26.9 U
P-10-12	ROW	Not Removed	6/14/2006	12	0.0286 U	0.0477 U	0.0477 U	--	-- U	--	--	0.0953 U	--	--	4.77 U	10.6 U	26.5 U
P-10-15	ROW	Not Removed	6/14/2006	15	0.0262 U	0.0436 U	0.0436 U	--	-- U	--	--	0.0872 U	--	--	4.36 U	10.4 U	25.9 U
P-10-16	ROW	Not Removed	6/14/2006	16	0.0303 U	0.0505 U	0.0505 U	--	-- U	--	--	0.101 U	--	--	5.05 U	11.6 U	29.0 U
P-11-12.5	ROW	Not Removed	5/17/2006	12.5	0.0278 U	0.0463 U	0.0463 U	--	-- U	--	--	0.0925 U	--	--	4.63 U	11.7 U	29.2 U
B-1-11	North Yard	Removed	7/31/2007	11	0.0497 U	0.0829 U	0.0829 U	--	--	--	--	0.166 U	--	--	8.29 U	11.0 U	27.5 U
B-2-12.5	North Yard	Removed	7/31/2007	12.5	0.0514 U	0.0857 U	0.0857 U	--	--	--	--	0.171 U	--	--	8.57 U	11.0 U	27.6 U

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Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
B-3-8	North Yard	Removed	7/30/2007	8	0.0696 U	0.1160 U	0.1330	--	--	--	--	2.27	--	--	531	1,830	1,890
B-3-10	North Yard	Removed	7/31/2007	10	0.0610 U	0.1020 U	0.1020 U	--	--	--	--	0.203 U	--	--	10.20 U	23.1	54.2
B-3-15	North Yard	Removed	7/31/2007	15	0.083 U	0.138 U	0.138 U	--	--	--	--	0.277 U	--	--	17	11.9 U	29.7 U
B-4-6	North Yard	Removed	7/31/2007	6	0.183	0.275	0.464	--	--	--	--	0.769	--	--	174	60.1	60.8
B-4-15	North Yard	Removed	7/31/2007	15	0.0440 U	0.0733 U	0.0733 U	--	--	--	--	0.147 U	--	--	6.86 U	10.4 U	26.1 U
B-5-4	North Yard	Removed	7/31/2007	4	0.0849 U	0.1410 U	0.155	--	--	--	--	1.12	--	--	38.2	11.0 U	27.5 U
B-5-15	North Yard	Removed	7/31/2007	15	0.0512 U	0.0853 U	0.0853 U	--	--	--	--	0.171 U	--	--	8.53 U	11.2 U	28.0 U
B-6-6	North Yard	Removed	7/31/2007	6	0.184	0.33	1.45	--	--	--	--	0.741	--	--	500	448	160
B-6-15	North Yard	Removed	8/1/2007	15	0.96	0.447 U	3.04	--	--	--	--	4.88	--	--	410	167	27.6 U
B-7-4	North Yard	Removed	8/1/2007	4	0.0580 U	0.0966 U	0.0966 U	--	--	--	--	0.193 U	--	--	32.6	85.9	27.9 U
B-7-12.5	North Yard	Removed	8/1/2007	12.5	2.7900 U	9.31	7.14	--	--	--	--	39.9	--	--	502	92.8	27.9 U
B-7-17.5	North Yard	Removed	8/1/2007	17.5	0.0524 U	0.0873 U	0.0873 U	--	--	--	--	0.175 U	--	--	8.73 U	11.2 U	27.9 U
B-8-12.5	ROW	Not Removed	8/2/2007	12.5	0.0526 U	0.0877 U	0.0877 U	--	--	--	--	0.175 U	--	--	8.77 U	11.2 U	28.0 U
B-9-6	ROW	Not Removed	7/31/2007	6	0.0521 U	0.0869 U	0.235	--	--	--	--	0.174 U	--	--	298	1820	136 U
B-9-15	ROW	Not Removed	8/2/2007	15	0.601	2.08	1.28	--	--	--	--	6.69	--	--	296	253	28.0 U
B-9-15 (DUP-1)	ROW	Not Removed	8/2/2007	15	0.476	1.99	1.28	--	--	--	--	6.92	--	--	284	470	27.8 U
B-9-22.5	ROW	Not Removed	8/2/2007	22.5	0.0512 U	0.0854 U	0.0854 U	--	--	--	--	0.171 U	--	--	8.54 U	11.7 U	29.2 U
B-10-6	North Yard	Removed	8/1/2007	6	0.0628 U	0.105 U	0.105 U	--	--	--	--	0.304	--	--	10.5 U	11.6 U	29.0 U
B-11-12.5	ROW	Not Removed	8/2/2007	12.5	0.0568 U	0.0947 U	0.158	--	--	--	--	0.189 U	--	--	9.47 U	11.4 U	28.6 U
B-12-12.5	ROW	Not Removed	8/2/2007	12.5	0.5330 U	0.888 U	2.08	--	--	--	--	12.70	--	--	1510	**5,560**	550 U
B-13-8	ROW	Not Removed	8/2/2007	8	0.0680 U	0.113 U	0.113 U	--	--	--	--	0.227 U	--	--	68.6	757	26.9 U
B-12.20	ROW	Not Removed	8/2/2007	20	0.0626 U	0.104 U	0.104 U	--	--	--	--	0.209 U	--	--	112	739	46.5
B-13-15	ROW	Not Removed	8/3/2007	15	0.274	0.125	0.158	--	--	--	--	0.25	--	--	8.64 U	10.9 U	27.3 U
B-13-20	ROW	Not Removed	8/3/2007	20	0.0530 U	0.0883 U	0.0883 U	--	--	--	--	0.177 U	--	--	8.83 U	11.2 U	27.9 U
B-14-2.5	ROW	Not Removed	8/3/2007	2.5	0.0501 U	0.0835 U	0.0835 U	--	--	--	--	0.167 U	--	--	8.35 U	11.0 U	27.6 U
B-14-12.5	ROW	Not Removed	8/3/2007	12.5	3.2000 U	5.34 U	5.34 U	--	--	--	--	61.0	--	--	**6,870**	527	374
B-14-15 (DUP-2)	ROW	Not Removed	8/3/2007	12.5	2.6200 U	4.37 U	4.37 U	--	--	--	--	15.6	--	--	4210	293	181
B-15-12.5	ROW	Not Removed	8/3/2007	12.5	0.0687 U	0.115 U	0.115 U	--	--	--	--	0.229 U	--	--	11.5 U	64.2 U	28.0 U
B-15-17.5	ROW	Not Removed	8/3/2007	17.5	0.0500 U	0.0834 U	0.0834 U	--	--	--	--	0.167 U	--	--	8.34 U	10.9 U	27.2 U
B-16-20	Offsite	Not Removed	8/6/2007	20	0.0528 U	0.088 U	0.088 U	--	--	--	--	0.176 U	--	--	8.8 U	10.9 U	27.2 U
B-17-20	ROW	Not Removed	8/3/2007	20	0.6640 U	1.11 U	1.11 U	--	--	--	--	2.21 U	--	--	111 U	11.7 U	29.2 U
B-18-22.5	ROW	Not Removed	8/6/2007	22.5	0.0490 U	0.0817 U	0.0817 U	--	--	--	--	0.163 U	--	--	8.17 U	10.9 U	27.3 U
B-19-15	ROW	Not Removed	8/6/2007	15	0.0661 U	0.110 U	0.110 U	--	--	--	--	0.220 U	--	--	11.0 U	12.4 U	31.1 U
B-20-10	ROW	Not Removed	8/6/2007	10	0.0595 U	0.0992 U	0.0992 U	--	--	--	--	0.198 U	--	--	104	256	26.9 U
B-20-17.5	ROW	Not Removed	8/6/2007	17.5	0.0582 U	0.0969 U	0.168	--	--	--	--	0.756	--	--	181	298	28.2 U
B-20-17.5 (DUP-3)	ROW	Not Removed	8/6/2007	17.5	0.0543 U	0.0904 U	0.0904 U	--	--	--	--	0.301	--	--	66.5	409	30.7
B-20-20	ROW	Not Removed	8/6/2007	20	0.0516 U	0.0860 U	0.0860 U	--	--	--	--	0.172 U	--	--	8.60 U	19.6	28.4 U
B-21-8	ROW	Not Removed	8/6/2007	8	0.0692 U	0.115 U	0.115 U	--	--	--	--	0.231 U	--	--	361	1880	149 U
B-21-12.5	ROW	Not Removed	8/7/2007	12.5	0.0594 U	0.0989 U	0.0989 U	--	--	--	--	0.198 U	--	--	9.89 U	13.0	26.0 U
B-21-20	ROW	Not Removed	8/7/2007	20	0.113	0.0874 U	0.0874 U	--	--	--	--	0.175 U	--	--	8.74 U	15.0	28.7 U
B-22-17.5	ROW	Not Removed	8/7/2007	17.5	0.331	0.237	0.914	--	--	--	--	3.94	--	--	135	196	31.0
B-22-8	ROW	Not Removed	8/6/2007	8	0.143	0.103 U	0.464	--	--	--	--	1.37	--	--	894	1780	150 U
B-22-17.5 (DUP-4)	ROW	Not Removed	8/7/2007	17.5	1.21	1.28	4.99	--	--	--	--	23.8	--	--	781	217	27.6 U
B-22-22.5	ROW	Not Removed	8/7/2007	22.5	0.0852	0.0722 U	0.0722 U	--	--	--	--	0.144 U	--	--	7.22 U	10.7 U	26.7 U
B-23-6	ROW	Not Removed	8/6/2007	6	0.0646 U	0.108 U	0.108 U	--	--	--	--	0.215 U	--	--	134	338	68.7
B-23-10	ROW	Not Removed	8/7/2007	10	40.2	71.7	71.7	--	--	--	--	573	--	--	**12,300**	**5,220**	590
B-23-17.5	ROW	Not Removed	8/7/2007	17.5	0.309	0.427	0.961	--	--	--	--	3.07	--	--	138	56.3	27.6 U

Table 3
Historical Soil Petroleum Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Sample ID	Location	Soil Status	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylenes (mg/kg)	o-Xylenes (mg/kg)	p-Xylenes (mg/kg)	m,p-Xylenes (mg/kg)	Xylene (mg/kg)	TPH (mg/kg)	WTPH-418.1 (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	HRO (mg/kg)
Soil Cleanup Level[1]					**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,520**	**5,140**	**5,780**
EW-1-12.6	ROW	Not Removed	7/15/2014	12.5	0.025 U	--	--	--	--	--	--	--	--	--	64	3.3 U	11 U
EW-1-22.6	ROW	Not Removed	7/15/2014	22.5	0.029 U	--	--	--	--	--	--	--	--	--	450	8.5	11 U
MW-9R-22.6	ROW	Not Removed	7/16/2014	22.5	0.035 U	--	--	--	--	--	--	--	--	--	1900	300	100
MW-29-12.6	ROW	Not Removed	7/15/2014	12.5	0.0004 U	--	--	--	--	--	--	--	--	--	4.2	110	75
MW-29-12.5 (DUP-1)	ROW	Not Removed	7/15/2014	12.5	0.0005 U	--	--	--	--	--	--	--	--	--	1.5	26	33
MW-29-22.6	ROW	Not Removed	7/15/2014	22.5	0.0004 U	--	--	--	--	--	--	--	--	--	0.9 U	3.2 U	11 U
MW-30-12.6	ROW	Not Removed	7/16/2014	12.5	0.028 U	--	--	--	--	--	--	--	--	--	46	310	670
MW-30-12.5 (DUP-2)	ROW	Not Removed	7/16/2014	12.5	0.030 U	--	--	--	--	--	--	--	--	--	46	270	1,000
MW-30-22.6	ROW	Not Removed	7/16/2014	22.5	0.0004 U	--	--	--	--	--	--	--	--	--	20	19	62
SB-1 12.5-13.6	ROW	Not Removed	8/13/2014	12.5-13.5	0.031 U	--	--	--	--	--	--	--	--	--	**6,700**	330	110
SB-1 12.5-13.5 (DUP-1)	ROW	Not Removed	8/13/2014	12.5-13.5	0.029 U	--	--	--	--	--	--	--	--	--	3,000	190	92
SB-2 12.5-13.6	ROW	Not Removed	8/13/2014	12.5-13.5	0.060 U	--	--	--	--	--	--	--	--	--	**21,000**	1,500	470
SB-3 12.5-13.6	ROW	Not Removed	8/13/2014	12.5-13.5	0.026 U	--	--	--	--	--	--	--	--	--	360	1,600	53 U
SB-4 12.5-13.6	ROW	Not Removed	8/13/2014	12.5-13.5	0.024 U	--	--	--	--	--	--	--	--	--	61	970	54 U
SB-5 10-12	ROW	Not Removed	8/14/2014	10-11'	0.085	--	--	--	--	--	--	--	--	--	1.7	3.3 U	11 U
SB-6 10-12	ROW	Not Removed	8/14/2014	10-11'	0.29	--	--	--	--	--	--	--	--	--	250	260	32
HB-10	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	--	--	--	26 U	31	240
HB-10	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	--	--	--	1.2	29	160
HB-11	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	--	--	--	13 U	63	350
HB-11	South Yard	Not Removed	8/26/2015	1.5	--	--	--	--	--	--	--	--	--	--	1.3 U	25	130
HB-12	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	--	--	--	2.2	100	88
HB-12	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	--	--	--	1.0 U	3.2 U	11 U
HB-12 (dup)	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	--	--	--	1.5	59	59
HB-13	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	--	--	--	0.9 U	6.0	10 U
HB-13	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	--	--	--	1.1 U	3.2 U	11 U

Notes:
[1] Site-specific cleanup levels developed in the Cleanup Action Plan (Foster Wheeler 1998). For subsurface soil at or near groundwater, Section 5.3.2 (Foster Wheeler 1998) specified addressing soil with concentrations exceeding soil CULs by groundwater remediation.

1. Benzene, toluene, ethylbenzene, and xylenes analyzed by United States Environmental Protection Agency Method 8021B.
2. Diesel-range organics (DRO) and heavy-oil-range organics (HRO) analyzed by NWTPH-Dx.
3. Gasoline-range organics (GRO) analyzed by NWTPH-Gx.
4. Total petroleum hydrocarbons (TPH) analyzed by USEPA Method 8015 modified.
5. **Bold** and shaded concentrations are greater than corresponding site cleanup level.
6. Greyed values indicate the sample is no longer present.

Acronyms and Abbreviations:
-- = not analyzed
bgs = below ground surface
(dup) = duplicate
mg/kg = milligram per kilogram
NA = not applicable
ROW = Public Right-of-Way
USEPA = United States Environmental Protection Agency

Qualifiers:
J = Estimated value.
U = Not detected, value shown is detection limit.

Reference:
Foster Wheeler. 1998. Draft Cleanup Action Plan, Former Chevron Bulk Plant 100-1327, Facilities North/King County Metro Transit, Lake Union Site, Prepared for Chevron Products Company & King County Metro Transit. November 24.

Table 4
Historical Soil Polyaromatic Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Boring ID	Location	Soil Status	Date	Depth (feet bgs)	PAHs (total) (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthr. (mg/kg)	Benzo (g,h,i) perylene (mg/kg)	Fluor. (mg/kg)	Fluorene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	1-Methyl-napht. (mg/kg)	2-Methyl-napht. (mg/kg)	Napht. (mg/kg)	cPAHs (total) (mg/kg)	Benzo (a) anthr. (mg/kg)	Benzo (b) fluor. (mg/kg)	Benzo (k) fluor. (mg/kg)	Benzo (a) pyrene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) anthr. (mg/kg)	Indeno (1,2,3-c,d) pyrene (mg/kg)
Soil Cleanup Level[1]					NA	NA	NA	NA	NA	18	NA	NA	NA	NA	NA	18	NA	18	18	18	18	18	18	18	18
MLU-1	South Yard	Not Removed	4/22/1991	3	1.57	--	--	--	--	--	--	--	--	--	--	--	0.91	--	--	--	--	--	--	--
MLU-1	South Yard	Not Removed	4/22/1991	11	6.04	--	--	--	--	--	--	--	--	--	--	--	1.81	--	--	--	--	--	--	--
HB1	North Yard	Removed	7/28/1993	0.2	--	0.17 U	0.17 U	0.014	0.095	0.34	0.017 U	0.16	0.16	0.17 U	0.32	0.2	--	0.038	0.062	0.035	0.056	0.049	0.034 U	0.051
HB1	North Yard	Removed	7/28/1993	1.8	--	0.47 J	0.17 U	0.0083 U	0.046 J	0.017 U	2 J	0.0083 U	0.017 U	11 J	10 J	1.7 J	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
HB2	North Yard	Removed	7/28/1993	0.1	--	0.17 U	0.17 U	0.0083 U	0.084	0.21	0.017 U	0.1	0.1	0.17 U	0.17 U	0.083 U	--	0.064	0.1	0.052	0.082	0.068	0.034 U	0.074
HB2	North Yard	Removed	7/28/1993	2	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.096	0.0083 U	0.017 U	4.9	8.7	6.5	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
HB2 (dup)	North Yard	Removed	7/28/1993	2	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.025	0.0083 U	0.017 U	1.1	2	1.7	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
HB3	North Yard	Removed	7/28/1993	0.1	--	0.17 U	0.17 U	0.0083 U	0.077	0.017 U	0.017 U	0.11	0.11	0.17 U	0.17 U	0.099	--	0.034	0.055	0.029	0.05	0.04	0.034 U	0.042
HB3	North Yard	Removed	7/28/1993	1.8	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.32	0.6	0.017 U	1.9	3	0.71	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
HB4	North Yard	Removed	7/28/1993	0.1	--	0.17 U	0.17 U	0.017	0.11	0.68	0.017 U	0.3	0.34	0.17 U	0.17 U	0.6	--	0.089	0.13	0.067	0.1	0.11	0.034 U	0.093
HB4 (dup)	North Yard	Removed	7/28/1993	0.1	--	0.17 U	0.17 U	0.016	0.1	0.61	0.017 U	0.27	0.3	0.17 U	0.23	0.083 U	--	0.079	0.12	0.061	0.099	0.1	0.034 U	0.087
MW2	North Yard	Removed	8/6/1993	14	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.35	0.45	0.017 U	3	0.4	0.083 U	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
MW3	North Yard	Removed	8/9/1993	12	--	0.3	0.17 U	0.0083 U	0.017 U	0.017 U	1.1	1.6	0.017 U	5.7	10	2.8	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
MW6	North Yard	Removed	8/11/1993	17	--	1.1 J	0.17 U	0.0083 U	0.017 U	0.017 U	3.4 J	3.5 J	0.017 U	19 J	24 J	6.7 J	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
MW10	North Yard	Removed	8/17/1993	11	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.55	1	0.017 U	4.6	8.5	4.6	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
SB4	North Yard	Removed	8/12/1993	7.5	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	1	1.1	0.017 U	5	3.3	0.083 U	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
SB9	North Yard	Removed	8/17/1993	6.5	--	0.17 U	0.17 U	0.0083 U	0.062	0.017 U	0.017 U	0.12	0.42	0.17 U	0.38	0.24	--	0.017 U	0.036	0.017 U	0.017 U	0.028	0.034 U	0.03
SB10	North Yard	Removed	8/17/1993	6	--	0.17 U	0.17 U	0.0083 U	0.017 U	0.017 U	0.11	0.23	0.13	4.3	6.6	3.5	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
Vault	NA	Not Removed	7/28/1993	NA	--	0.17 U	0.17 U	0.0083 U	0.1	0.017 U	0.037	0.076	0.017 U	0.17 U	0.17 U	0.083 U	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
HB7	South Yard	Confirmed	7/28/1993	0.4	--	0.17 U	0.17 U	0.042	0.4	0.66	0.017 U	0.38	0.47	0.17 U	0.32	0.21	--	0.16	0.23	0.11	0.2	0.19	0.034 U	0.3
HB8	South Yard	Confirmed	7/28/1993	1	--	0.17 U	0.17 U	0.035	0.082	0.017 U	0.027	0.43	0.36	0.017 U	0.53	0.38	--	0.15	0.14	0.055	0.049	0.017 U	0.034 U	0.017 U
SB8	ROW	Not Removed	8/13/1993	12.5	--	1.9 J	0.17 U	0.0083 U	0.017 U	18 J	8.3 J	16 J	0.017 U	50 J	73 J	**25 J**	--	0.33 J	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
MW3 (dup)	North Yard	Removed	8/9/1993	12	--	0.3	0.17 U	0.0083 U	0.017 U	0.017 U	1	1.5	0.017 U		9.4	3.1	--	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.034 U	0.017 U
MW-25	South Yard	Not Removed	8/5/1999	10.5	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-25	South Yard	Not Removed	8/5/1999	11	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-25	South Yard	Not Removed	8/5/1999	20.5	--	--	--	--	--	1.03	--	--	--	--	--	0.330 U	--	0.434	0.327	0.13	0.366	0.469	0.330 U	0.189
MW-26	South Yard	Not Removed	8/5/1999	10.5	--	--	--	--	--	1.19	--	--	--	--	--	0.330 U	--	0.501	0.509	0.208	0.494	0.525	0.330 U	0.297
MW-26	South Yard	Not Removed	8/5/1999	20	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-27	North Yard	Removed	8/6/1999	10	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-27	North Yard	Removed	8/6/1999	10.5	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-27	North Yard	Removed	8/6/1999	20.5	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-28	North Yard	Removed	8/6/1999	10.5	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
MW-28	North Yard	Removed	8/6/1999	15.5	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
AS-1	South Yard	Not Removed	11/7/2001	10	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
AS-2	South Yard	Not Removed	11/7/2001	15	--	--	--	--	--	0.345	--	--	--	--	--	0.842	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
AS-3	South Yard	Not Removed	11/7/2001	10	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
AS-4	South Yard	Not Removed	11/7/2001	15	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
AS-5	South Yard	Not Removed	11/7/2001	10	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
AS-5	South Yard	Not Removed	11/7/2001	15	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
AS-6	South Yard	Not Removed	11/7/2001	15	--	--	--	--	--	0.330 U	--	--	--	--	--	0.330 U	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U	0.33 U	0.33 U
S-1-17	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.0221	--	--	--	--	--	0.01 U	--	0.0187	0.016	0.02	0.0221	0.017	0.0349	0.0392
S-2-15	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.229	--	--	--	--	--	0.0786	--	0.0832	0.052	0.063	0.0906	0.098	0.0472	0.0684
S-3-15	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
S-4-15	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
S-5-15	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.446	--	--	--	--	--	0.04	--	0.218	0.016	0.161	0.224	0.236	0.0689	0.121
S-6-17	South Yard	Not Removed	12/8/2003	NA	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
MW-8A-20	South Yard	Not Removed	11/18/2003	NA	--	--	--	--	--	0.01 U	--	--	--	--	--	0.01 U	--	0.01 U	0.01 U	0.01 U	0.0131	0.0106	0.01 U	0.01 U
B-1-11	North Yard	Removed	7/31/2007	11	--	--	--	--	--	0.0109 U	--	--	--	0.0109 U	0.0109 U	0.0109 U	--	0.0109 U	0.011 U	0.011 U	0.0109 U	0.0109 U	0.0109 U	0.0109 U
B-2-12.5	North Yard	Removed	7/31/2007	12.5	--	--	--	--	--	0.011 U	--	--	--	0.0110 U	0.0110 U	0.0110 U	--	0.0110 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
B-3-8	North Yard	Removed	7/30/2007	8	--	--	--	--	--	0.166	--	--	--	0.0423 U	0.0423 U	0.0423 U	--	0.0423 U	0.042 U	0.042 U	0.0423 U	0.321	0.0423 U	0.0423 U
B-3-10	North Yard	Removed	7/31/2007	10	--	--	--	--	--	0.0109 U	--	--	--	0.0109 U	0.0109 U	0.0109 U	--	0.0109 U	0.011 U	0.011 U	0.0109 U	0.0109 U	0.0109 U	0.0109 U
B-3-15	North Yard	Removed	7/31/2007	15	--	--	--	--	--	0.0118 U	--	--	--	0.0118 U	0.0118 U	0.0118 U	--	0.0118 U	0.012 U	0.012 U	0.0118 U	0.0118 U	0.0118 U	0.0118 U
B-4-6	North Yard	Removed	7/31/2007	6	--	--	--	--	--	0.0111 U	--	--	--	0.179	0.341	0.0163	--	0.0111 U	0.011 U	0.011 U	0.0111 U	0.0111 U	0.0111 U	0.0111 U
B-4-15	North Yard	Removed	7/31/2007	15	--	--	--	--	--	0.0104 U	--	--	--	0.0104 U	0.0104 U	0.0104 U	--	0.0104 U	0.01 U	0.01 U	0.0104 U	0.0104 U	0.0104 U	0.0104 U
B-5-4	North Yard	Removed	7/31/2007	4	--	--	--	--	--	0.0107 U	--	--	--	0.0250	0.04	0.0107 U	--	0.0107 U	0.011 U	0.011 U	0.0107 U	0.0107 U	0.0107 U	0.0107 U
B-5-15	North Yard	Removed	7/31/2007	15	--	--	--	--	--	0.0112 U	--	--	--	0.0112 U	0.0112 U	0.0112 U	--	0.0112 U	0.011 U	0.011 U	0.0112 U	0.0112 U	0.0112 U	0.0112 U
B-6-6	North Yard	Removed	7/31/2007	6	--	--	--	--	--	0.0263	--	--	--	2.49	4.63	0.0113 U	--	0.0113 U	0.011 U	0.011 U	0.0113 U	0.0226	0.0113 U	0.0113 U
B-6-15	North Yard	Removed	8/1/2007	15	--	--	--	--	--	0.011 U	--	--	--	0.464	0.906	0.283	--	0.0110 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
B-7-4	North Yard	Removed	8/1/2007	4	--	--	--	--	--	0.0112 U	--	--	--	0.0112 U	0.0112 U	0.0112 U	--	0.0112 U	0.011 U	0.011 U	0.0112 U	0.0112 U	0.0112 U	0.0112 U
B-7-12.5	North Yard	Removed	8/1/2007	12.5	--	--	--	--	--	0.0111 U	--	--	--	0.119	0.24	0.117	--	0.0111 U	0.011 U	0.011 U	0.0111 U	0.0111 U	0.0111 U	0.0111 U
B-7-17.5	North Yard	Removed	8/1/2007	17.5	--	--	--	--	--	0.0113 U	--	--	--	0.0113 U	0.0113 U	0.0113 U	--	0.0113 U	0.011 U	0.011 U	0.0113 U	0.0113 U	0.0113 U	0.0113 U

Table 4
Historical Soil Polyaromatic Hydrocarbon Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Boring ID	Location	Soil Status	Date	Depth (feet bgs)	PAHs (total) (mg/kg)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthr. (mg/kg)	Benzo (g,h,i) perylene (mg/kg)	Fluor. (mg/kg)	Fluorene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)	1-Methyl-napht. (mg/kg)	2-Methyl-napht. (mg/kg)	Napht. (mg/kg)	cPAHs (total) (mg/kg)	Benzo (a) anthr. (mg/kg)	Benzo (b) fluor. (mg/kg)	Benzo (k) fluor. (mg/kg)	Benzo (a) pyrene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) anthr. (mg/kg)	Indeno (1,2,3-c,d) pyrene (mg/kg)
Soil Cleanup Level[1]					NA	NA	NA	NA	NA	18	NA	NA	NA	NA	NA	18	NA	18	18	18	18	18	18	18	18
B-8-12.5	ROW	Not Removed	8/2/2007	12.5	--	--	--	--	--	0.0111 U	--	--	--	0.0111 U	0.0111 U	0.0111 U	--	0.0111 U	0.011 U	0.011 U	0.0111 U	0.0111 U	0.0111 U	0.0111 U
B-9-6	ROW	Not Removed	7/31/2007	6	--	--	--	--	--	0.11 U	--	--	--	3.00	3.32	0.1100 U	--	0.1100 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
B-9-15	ROW	Not Removed	8/2/2007	15	--	--	--	--	--	0.0114 U	--	--	--	0.573	1.08	0.226	--	0.0114 U	0.011 U	0.011 U	0.0114 U	0.0114 U	0.0124	0.0114 U
B-9-15 (DUP-1)	ROW	Not Removed	8/2/2007	15	--	--	--	--	--	0.045 U	--	--	--	1.13	2.22	0.460	--	0.0450 U	0.045 U	0.045 U	0.045 U	0.045 U	0.045 U	0.045 U
B-9-22.5	ROW	Not Removed	8/2/2007	22.5	--	--	--	--	--	0.0116 U	--	--	--	0.0116 U	0.0124	0.0116 U	--	0.0116 U	0.012 U	0.012 U	0.0116 U	0.0116 U	0.0116 U	0.0116 U
B-10-6	North Yard	Removed	8/1/2007	6	--	--	--	--	--	0.0116 U	--	--	--	0.0116 U	0.0116 U	0.0116 U	--	0.0116 U	0.012 U	0.012 U	0.0116 U	0.0116 U	0.0116 U	0.0116 U
B-11-12.5	ROW	Not Removed	8/2/2007	12.5	--	--	--	--	--	0.0114 U	--	--	--	0.0114 U	0.0114 U	0.0114 U	--	0.0114 U	0.011 U	0.011 U	0.0114 U	0.0114 U	0.0114 U	0.0114 U
B-12-12.5	ROW	Not Removed	8/2/2007	12.5	--	--	--	--	--	0.0111 U	--	--	--	14.6	29.1	5.00	--	0.0111 U	0.011 U	0.011 U	0.0111 U	0.051	0.0111 U	0.0111 U
B-12.20	ROW	Not Removed	8/2/2007	20	--	--	--	--	--	0.011 U	--	--	--	0.128	0.214	0.023	--	0.0110 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
B-13-8	ROW	Not Removed	8/2/2007	8	--	--	--	--	--	0.044 U	--	--	--	1.8700	3.05	0.0440 U	--	0.0440 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U	0.044 U
B-13-15	ROW	Not Removed	8/3/2007	15	--	--	--	--	--	0.0109 U	--	--	--	0.0109 U	0.0109 U	0.0109 U	--	0.0109 U	0.011 U	0.011 U	0.0109 U	0.0109 U	0.0109 U	0.0109 U
B-13-20	ROW	Not Removed	8/3/2007	20	--	--	--	--	--	0.0113 U	--	--	--	0.0113 U	0.0113 U	0.0113 U	--	0.0113 U	0.011 U	0.011 U	0.0113 U	0.0113 U	0.0113 U	0.0113 U
B-14-2.5	ROW	Not Removed	8/3/2007	2.5	--	--	--	--	--	0.011 U	--	--	--	0.0110 U	0.0110 U	0.0110 U	--	0.0110 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
B-14-12.5	ROW	Not Removed	8/3/2007	12.5	--	--	--	--	--	0.0448 U	--	--	--	0.806	1.19	0.708	--	0.0448 U	0.045 U	0.045 U	0.0448 U	0.0448 U	0.0448 U	0.0448 U
B-14-15 (DUP-2)	ROW	Not Removed	8/3/2007	12.5	--	--	--	--	--	0.0111 U	--	--	--	0.590	1.09	0.558	--	0.0111 U	0.011 U	0.011 U	0.0111 U	0.0111 U	0.0111 U	0.0111 U
B-15-12.5	ROW	Not Removed	8/3/2007	12.5	--	--	--	--	--	0.0112 U	--	--	--	0.0112 U	0.0112 U	0.0112 U	--	0.0112 U	0.011 U	0.011 U	0.0112 U	0.0112 U	0.0112 U	0.0112 U
B-15-17.5	ROW	Not Removed	8/3/2007	17.5	--	--	--	--	--	0.0108 U	--	--	--	0.0108 U	0.0108 U	0.0108 U	--	0.0108 U	0.011 U	0.011 U	0.0108 U	0.0108 U	0.0108 U	0.0108 U
B-16-20	Offsite	Not Removed	8/6/2007	20	--	--	--	--	--	0.0109 U	--	--	--	0.0109 U	0.0109 U	0.0109 U	--	0.0109 U	0.011 U	0.011 U	0.0109 U	0.0109 U	0.0109 U	0.0109 U
B-17-20	ROW	Not Removed	8/3/2007	20	--	--	--	--	--	0.0115 U	--	--	--	0.0115 U	0.0115 U	0.0115 U	--	0.0115 U	0.012 U	0.012 U	0.0115 U	0.0115 U	0.0115 U	0.0115 U
B-18-22.5	ROW	Not Removed	8/6/2007	22.5	--	--	--	--	--	0.0112 U	--	--	--	0.0112 U	0.0112 U	0.0112 U	--	0.0112 U	0.011 U	0.011 U	0.0112 U	0.0112 U	0.0112 U	0.0112 U
B-19-15	ROW	Not Removed	8/6/2007	15	--	--	--	--	--	0.0124 U	--	--	--	0.0124 U	0.0124 U	0.0124 U	--	0.0124 U	0.012 U	0.012 U	0.0124 U	0.0124 U	0.0124 U	0.0124 U
B-20-10	ROW	Not Removed	8/6/2007	10	--	--	--	--	--	0.0209	--	--	--	1.05	1.94	0.0108 U	--	0.0108 U	0.011 U	0.011 U	0.0108 U	0.0108	0.0108 U	0.0108 U
B-20-17.5	ROW	Not Removed	8/6/2007	17.5	--	--	--	--	--	0.0214	--	--	--	0.431	0.687	0.147	--	0.0115 U	0.012 U	0.012 U	0.0115 U	0.0115 U	0.0115 U	0.0115 U
B-20-17.5 (DUP-3)	ROW	Not Removed	8/6/2007	17.5	--	--	--	--	--	0.0116 U	--	--	--	0.353	0.565	0.123	--	0.0116 U	0.012 U	0.012 U	0.0116 U	0.0116 U	0.0116 U	0.0116 U
B-20-20	ROW	Not Removed	8/6/2007	20	--	--	--	--	--	0.0116 U	--	--	--	0.0474	0.0707	0.0116 U	--	0.0116 U	0.012 U	0.012 U	0.0116 U	0.0116 U	0.0116 U	0.0116 U
B-21-8	ROW	Not Removed	8/6/2007	8	--	--	--	--	--	0.0882	--	--	--	2.45	1.62	0.0241 U	--	0.0241 U	0.024 U	0.024 U	0.0241 U	0.0241 U	0.0241 U	0.0241 U
B-21-12.5	ROW	Not Removed	8/7/2007	12.5	--	--	--	--	--	0.0107 U	--	--	--	0.0107 U	0.0107 U	0.0107 U	--	0.0107 U	0.011 U	0.011 U	0.0107 U	0.0107 U	0.0107 U	0.0107 U
B-21-20	ROW	Not Removed	8/7/2007	20	--	--	--	--	--	0.0113 U	--	--	--	0.0121	0.0166	0.0113 U	--	0.0113 U	0.011 U	0.011 U	0.0113 U	0.0113 U	0.0113 U	0.0113 U
B-22-8	ROW	Not Removed	8/6/2007	8	--	--	--	--	--	0.0729	--	--	--	2.53	2.57	0.235	--	0.0607 U	0.061 U	0.061 U	0.0607 U	0.0607 U	0.0607 U	0.0607 U
B-22-17.5	ROW	Not Removed	8/7/2007	17.5	--	--	--	--	--	0.011 U	--	--	--	0.459	0.728	0.285	--	0.0110 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
B-22-17.5 (DUP-4)	ROW	Not Removed	8/7/2007	17.5	--	--	--	--	--	0.0112 U	--	--	--	0.797	1.23	0.555	--	0.0112 U	0.011 U	0.011 U	0.0112 U	0.0112 U	0.0112 U	0.0112 U
B-22-22.5	ROW	Not Removed	8/7/2007	22.5	--	--	--	--	--	0.0107 U	--	--	--	0.0107 U	0.0107 U	0.0107 U	--	0.0107 U	0.011 U	0.011 U	0.0107 U	0.0107 U	0.0107 U	0.0107 U
B-23-6	ROW	Not Removed	8/6/2007	6	--	--	--	--	--	0.0123 U	--	--	--	0.0811	0.0344	0.0123 U	--	0.0123 U	0.012 U	0.012 U	0.0123 U	0.0123 U	0.0123 U	0.0123 U
B-23-10	ROW	Not Removed	8/7/2007	10	--	--	--	--	--	0.618 U	--	--	--	19.4	34.4	**20.1**	--	0.6180 U	0.618 U	0.618 U	0.618 U	0.618 U	0.618 U	0.618 U
B-23-17.5	ROW	Not Removed	8/7/2007	17.5	--	--	--	--	--	0.0221 U	--	--	--	0.125	0.211	0.0869	--	0.0221 U	0.022 U	0.022 U	0.0221 U	0.0221 U	0.0221 U	0.0221 U

Notes:
[1] Site-specific cleanup levels developed in the Cleanup Action Plan (Foster Wheeler 1998). For subsurface soil at or near groundwater, Section 5.3.2 (Foster Wheeler 1998) specified addressing soil with concentrations exceeding soil CULs by groundwater remediation.

1. PAHs by United States Environmental Protection Agency Method 8270C SIM.
2. **Bold** and shaded concentrations are greater than corresponding site cleanup level.
3. Greyed values indicate the sample is no longer present.

Acronyms and Abbreviations:
-- = not analyzed
anthr. = anthracene
bgs = below ground surface
cPAH = carcinogenic polyaromatic hydrocarbon
(dup) = duplicate
fluor. = fluoranthene
mg/kg = milligram per kilogram
NA = not available
napht. = naphthalene
PAH = polyaromatic hydrocarbon
ROW = Public Right-of-Way

Qualifiers:
J = Estimated value.
U = Not detected, value shown is detection limit

Reference:
Foster Wheeler. 1998. Draft Cleanup Action Plan, Former Chevron Bulk Plant 100-1327, Facilities North/King County Metro Transit, Lake Union Site, Prepared for Chevron Products Company & King County Metro Transit. November 24.

Table 5
Historical Soil Metals Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Boring ID	Location	Soil Status	Date	Depth (ft bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Soil Cleanup Level[1]					**NA**	**200**	**NA**	**NA**	**10**	**500**	**NA**	**1,000**	**1**	**NA**	**NA**	**NA**	**NA**
P-4	South Yard	Not Removed	4/1/1988	5	--	--	--	--	--	--	--	0.5 U	--	--	--	--	--
P-5	South Yard	Not Removed	4/1/1988	18	--	--	--	--	--	--	--	0.5 U	--	--	--	--	--
MLU-1	South Yard	Not Removed	4/22/1991	3	--	--	--	--	2.3	--	--	--	--	--	--	--	--
MLU-3	South Yard	Not Removed	4/23-24/1991	9	--	--	--	--	2.3	--	--	--	--	--	--	--	--
MLU-3	South Yard	Not Removed	4/23-24/1991	11	--	--	--	--	2.5	--	--	--	--	--	--	--	--
HB1	North Yard	Removed	7/28/1993	0.2	120 J	**380** J	--	0.3	**11**	56	440	**3,900**	**1.5**	43	0.5 U	1.3	2,400
HB1	North Yard	Removed	7/28/1993	1.8	3.5 J	15 J	--	0.25 U	9.6	26	19	170	0.15	34	0.5 U	0.093	280
HB2	North Yard	Removed	7/28/1993	0.1	1,100 J	**3,000** J	0.01 U	0.66	**22**	190	3,200	**7,200**	**3.3**	36	1.5 J	6.9	5,800
HB2	North Yard	Removed	7/28/1993	2	3.2 J	27 J	0.83	0.25 U	0.14	29	23	18	0.1 U	33	0.5 U	0.053	50
HB3	North Yard	Removed	7/28/1993	0.1	790 J	**3,000** J	--	1.2	2.9	280	3,600	**6,400**	**7.6**	37	1.4 J	6.5	5,900
HB3	North Yard	Removed	7/28/1993	1.8	4.1 J	14 J	--	0.25 U	0.42	13	18	73	0.49	18	0.5 U	0.037	55
HB4	North Yard	Removed	7/28/1993	0.1	530 J	**2,500** J	--	0.76	7.8	240	2,500	**5,300**	**12**	34	1.7 J	4.1	5,900
HB4 (dup)	North Yard	Removed	7/28/1993	0.1	150 J	**600** J	--	0.32	3.7	69	560	**2,000**	**24**	35	0.5 U	1	1,400
HA-01-01	North Yard	Removed	7/28/1993	0-0.5	--	84	--	--	--	--	86	700	--	--	--	--	390
HA-01-02	North Yard	Removed	7/28/1993	0.5-1.5	--	10	--	--	0.53 U	--	17 J	56	--	--	--	--	140 J
HA-02-01	North Yard	Removed	7/28/1993	0-0.5	--	100	--	--	--	--	110	820	--	--	--	--	350
HA-02-02	North Yard	Removed	7/28/1993	0.5-1.0	--	15	--	--	--	--	26 J	130	--	--	--	--	88 J
HA-03-01	North Yard	Removed	7/28/1993	0-0.5	--	13	--	--	--	--	9.5	5.8	--	--	--	--	58
HA-03-02	North Yard	Removed	7/28/1993	0.5-1.2	--	7	--	--	0.6 U	--	8.5 J	13	--	--	--	--	49 J
HA-04-01	North Yard	Removed	7/28/1993	0-0.5	--	22	--	--	--	--	78	200	--	--	--	--	150
HA-20-01 (HA-04 dup)	North Yard	Removed	7/28/1993	0-0.5	--	20	--	--	--	--	59	130	--	--	--	--	130
HA-04-02	North Yard	Removed	7/28/1993	0.5-1.5	--	11	--	--	--	--	32 J	80	--	--	--	--	92 J
HA-05-01	North Yard	Removed	7/28/1993	0-0.5	--	11 U	--	--	--	--	11	13	--	--	--	--	33
HA-05-02	North Yard	Removed	7/28/1993	0.5-1.5	--	2.9	--	--	0.53 U	--	9 J	5.3 U	--	--	--	--	27 J
HA-06-01	North Yard	Removed	7/28/1993	0-0.5	--	**390**	--	--	--	--	560	**2,000**	--	--	--	--	1,100
HA-22-01 (HA-06 dup)	North Yard	Removed	7/28/1993	0-0.5	--	**430**	--	--	--	--	510	**1,600**	--	--	--	--	1,100
HA-06-02	North Yard	Removed	7/28/1993	0.5-1.5	--	12	--	--	1.9	--	58 J	110	--	--	--	--	260 J
HA-07-01	North Yard	Removed	7/28/1993	0-0.5	--	45	--	--	--	--	64	84	--	--	--	--	140
HA-07-02	North Yard	Removed	7/28/1993	0.5-1.5	--	6.3	--	--	0.59 U	--	18 J	5.9 U	--	--	--	--	45 J
HA-08-01	North Yard	Removed	7/28/1993	0-0.5	--	12	--	--	--	--	25	23	--	--	--	--	88
HA-08-02	North Yard	Removed	7/28/1993	0.5-1.5	--	3.3	--	--	--	--	14 J	5.3 U	--	--	--	--	33 J
HA-09-01	North Yard	Removed	7/28/1993	0-0.5	--	11	--	--	--	--	41	190	--	--	--	--	230
HA-09-02	North Yard	Removed	7/28/1993	0.5-1.25	--	11	--	--	--	--	27 J	88	--	--	--	--	170 J
HA-10-01	North Yard	Removed	7/28/1993	0-0.5	--	34	--	--	--	--	53	140	--	--	--	--	120
HA-10-02	North Yard	Removed	7/28/1993	0.5-1.0	--	24	--	--	--	--	48 J	210	--	--	--	--	110 J
HA-11-01	North Yard	Removed	7/28/1993	0-0.5	--	33	--	--	--	--	51	700	--	--	--	--	280
HA-11-02	North Yard	Removed	7/28/1993	0.5-1.1	--	12	--	--	--	--	18 J	380	--	--	--	--	130 J
HA-12-01	North Yard	Removed	7/28/1993	0-0.5	--	55	--	--	--	--	72	460	--	--	--	--	250
HA-12-02	North Yard	Removed	7/28/1993	0.5-1.5	--	9.6	--	--	0.56 U	--	13 J	47	--	--	--	--	65 J
MW3	North Yard	Removed	8/9/1993	6.5	--	--	--	--	--	--	--	25 U	--	--	--	--	--
SB9	North Yard	Removed	8/17/1993	6.5	--	--	--	--	--	--	--	35	--	--	--	--	--
HB9	South Yard	Not Removed	7/28/1993	1	2.5 UR	1.6 J	--	0.25 U	0.2	18	11	5.9	0.1 U	24	0.5 U	0.031	89
MW8	South Yard	Removed	8/12/1993	2.5	2.5 UR	2.9	--	0.25 U	0.18	23	18	12	0.1 U	24	0.5 U	0.027	55
TP10	South Yard	Not Removed	7/30/1993	12	2.5 UR	1.4 R	--	0.25 U	0.01 UR	22	9.9	2.2	0.1 U	30	0.5 U	0.024	21
TP12	South Yard	Not Removed	7/30/1993	5	2.5 UR	1.7	--	0.25 U	0.04	24	10	1.5 U	0.1 U	32	0.5 U	0.019	25
HB10	Offsite	Not Removed	7/28/1993	0.1	3.1	23	--	0.25 U	0.83	28	86	170	0.21	35	0.5 U	0.46	160
HB11	ROW	Not Removed	7/28/1993	0.1	2.5 U	11	--	0.25 U	0.6	23	27	73	0.1 U	31	0.5 U	0.05	91
HB12	Offsite	Not Removed	7/28/1993	0.1	3.5 U	4.2	--	0.25 U	0.29	20	15	24	0.1 U	25	0.5 U	0.03	52
HB13	Offsite	Not Removed	7/28/1993	0.1	4.5 U	10	--	0.25 U	1.1	23	27	150	0.16	30	0.5 U	0.1	150
HB14	Offsite	Not Removed	7/28/1993	0.1	5.5 U	9.7	--	0.25 U	0.84	24	52	200	0.16	28	0.5 U	0.13	150
HB7	South Yard	Confirmed	7/28/1993	0.4	6.3 J	95 J	--	0.25 U	9.1	32	170	**1,300**	0.9	47	0.5 U	0.46	900
MW20-12	ROW	Not Removed	7/3/1997	12	--	0.200 U	1.16	--	0.0050 U	0.0100 U	--	0.200 U	0.0010 U	--	0.150 U	0.0200 U	--
MW22-11	ROW	Not Removed	7/3/1997	11	--	0.200 U	1.00	--	0.0050 U	0.0100 U	--	0.200 U	0.0010 U	--	0.150 U	0.0200 U	--
S-1-17	South Yard	Removed	12/8/2003	17	--	1.4	--	--	0.5 U	29.8	--	2.88	0.2 U	--	--	--	--
S-2-15	South Yard	Removed	12/8/2003	15	--	2.84	--	--	0.562 U	36.9	--	9.19	0.2 U	--	--	--	--
S-3-15	South Yard	Removed	12/8/2003	15	--	1.36	--	--	0.694 U	20.9	--	2.39	0.2 U	--	--	--	--
S-4-15	South Yard	Removed	12/8/2003	15	--	1.25	--	--	0.617 U	18.8	--	1.95	0.2 U	--	--	--	--
S-5-15	South Yard	Removed	12/8/2003	15	--	2.59	--	--	0.694 U	19.9	--	16.6	0.2 U	--	--	--	--
S-6-17	South Yard	Removed	12/8/2003	17	--	1.03	--	--	0.595 U	27.2	--	1.47	0.2 U	--	--	--	--

Boring ID	Location	Soil Status	Date	Depth (ft bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Soil Cleanup Level[1]					NA	200	NA	NA	10	500	NA	1,000	1	NA	NA	NA	NA
MW-8A-20	South Yard	Not Removed	11/18/2003	20	--	1.45	--	--	0.5 U	70.3	--	3.89	0.135 U	--	--	--	--
P-11-12.5	ROW	Not Removed	5/17/2006	12.5	--		--	--			--			--	--	--	--
B-1-11	North Yard	Removed	7/31/2007	11	--	1.13	--	--	0.375 U	14.3	--	1.61	0.1010 U	--	--	--	--
B-2-12.5	North Yard	Removed	7/31/2007	12.5	--	1.06	--	--	0.455 U	14.3	--	1.32	0.1110 U	--	--	--	--
B-3-8	North Yard	Removed	7/30/2007	8	--	1.37	--	--	0.525 U	27.1	--	2.80	0.0992 U	--	--	--	--
B-3-10	North Yard	Removed	7/31/2007	10	--	1.29	--	--	0.487 U	15.7	--	2.16	0.1120 U	--	--	--	--
B-3-15	North Yard	Removed	7/31/2007	15	--	0.81	--	--	0.506 U	15.1	--	1.48	0.1100 U	--	--	--	--
B-4-6	North Yard	Removed	7/31/2007	6	--	1.32	--	--	0.526 U	15.5	--	2.10	0.0975 U	--	--	--	--
B-4-15	North Yard	Removed	7/31/2007	15	--	1.10	--	--	0.531 U	13.1	--	1.08	0.0926 U	--	--	--	--
B-5-4	North Yard	Removed	7/31/2007	4	--	1.18	--	--	0.545 U	17.1	--	2.10	0.1060 U	--	--	--	--
B-5-15	North Yard	Removed	7/31/2007	15	--	0.97	--	--	0.452 U	12.9	--	1.14	0.0974 U	--	--	--	--
B-6-6	North Yard	Removed	7/31/2007	6	--	1.46	--	--	0.534 U	16.1	--	2.53	0.1180 U	--	--	--	--
B-6-15	North Yard	Removed	8/1/2007	15	--	3.45	--	--	0.562 U	33.9	--	1.66	0.1020 U	--	--	--	--
B-7-4	North Yard	Removed	8/1/2007	4	--	1.12	--	--	0.487 U	15.2	--	1.85	0.0948 U	--	--	--	--
B-7-12.5	North Yard	Removed	8/1/2007	12.5	--	1.24	--	--	0.511 U	27.5	--	2.09	0.0959 U	--	--	--	--
B-7-17.5	North Yard	Removed	8/1/2007	17.5	--	0.87	--	--	0.526 U	12.9	--	1.11	0.0981 U	--	--	--	--
B-8-12.5	ROW	Not Removed	8/2/2007	12.5	--	1.64	--	--	0.574 U	24.4	--	1.82	0.1130 U	--	--	--	--
B-9-6	ROW	Not Removed	7/31/2007	6	--	0.900	--	--	0.481 U	14.2	--	1.48	0.0983 U	--	--	--	--
B-9-15	ROW	Not Removed	8/2/2007	15	--	1.20	--	--	0.572 U	17.2	--	1.34	0.0935 U	--	--	--	--
B-9-15 (DUP-1)	ROW	Not Removed	8/2/2007	15	--	0.960	--	--	0.519 U	14.5	--	1.19	0.1130 U	--	--	--	--
B-9-22.5	ROW	Not Removed	8/2/2007	22.5	--	0.913	--	--	0.597 U	13.6	--	1.13	0.1130 U	--	--	--	--
B-10-6	North Yard	Removed	8/1/2007	6	--	1.14	--	--	0.518 U	16.1	--	2.11	0.1070 U	--	--	--	--
B-11-12.5	ROW	Not Removed	8/2/2007	12.5	--	0.993	--	--	0.591 U	17.0	--	1.31	0.1060 U	--	--	--	--
B-12-12.5	ROW	Not Removed	8/2/2007	12.5	--	0.971	--	--	0.410 U	16.9	--	1.24	0.1060 U	--	--	--	--
B-12.20	ROW	Not Removed	8/2/2007	20	--	0.706	--	--	0.519 U	12.6	--	0.924	0.1020 U	--	--	--	--
B-13-8	ROW	Not Removed	8/2/2007	8	--	2.02	--	--	0.545 U	22.2	--	2.37	0.1100 U	--	--	--	--
B-13-15	ROW	Not Removed	8/3/2007	15	--	1.18	--	--	0.536 U	15.5	--	1.09	0.1010 U	--	--	--	--
B-13-20	ROW	Not Removed	8/3/2007	20	--	1.69	--	--	0.586 U	17.8	--	1.43	0.1000 U	--	--	--	--
B-14-2.5	ROW	Not Removed	8/3/2007	2.5	--	1.13	--	--	0.492 U	16.3	--	1.34	0.1030 U	--	--	--	--
B-14-12.5	ROW	Not Removed	8/3/2007	12.5	--	1.20	--	--	0.418 U	25.6	--	1.75	0.1130 U	--	--	--	--
B-14-15 (DUP-2)	ROW	Not Removed	8/3/2007	12.5	--	1.53	--	--	0.380 U	29.9	--	1.49	0.1100 U	--	--	--	--
B-15-12.5	ROW	Not Removed	8/3/2007	12.5	--	0.738	--	--	0.516 U	27.6	--	1.41	0.1000 U	--	--	--	--
B-15-17.5	ROW	Not Removed	8/3/2007	17.5	--	2.37	--	--	0.572 U	18.4	--	1.27	0.1090 U	--	--	--	--
B-16-20	Offsite	Not Removed	8/6/2007	20	--	0.98	--	--	0.562 U	17.3	--	2.41	0.1030 U	--	--	--	--
B-17-20	ROW	Not Removed	8/3/2007	20	--	1.40	--	--	0.435 U	17.5	--	1.25	0.1130 U	--	--	--	--
B-18-22.5	ROW	Not Removed	8/6/2007	22.5	--	1.12	--	--	0.547 U	15.6	--	1.44	0.1080 U	--	--	--	--
B-19-15	ROW	Not Removed	8/6/2007	15	--	1.15	--	--	0.621 U	25.5	--	1.57	0.1290 U	--	--	--	--
B-20-10	ROW	Not Removed	8/6/2007	10	--	1.03	--	--	0.548 U	19.3	--	1.57	0.1030 U	--	--	--	--
B-20-17.5	ROW	Not Removed	8/6/2007	17.5	--	1.06	--	--	0.537 U	17.3	--	1.50	0.1150 U	--	--	--	--
B-20-17.5 (DUP-3)	ROW	Not Removed	8/6/2007	17.5	--	1.03	--	--	0.543 U	17.9	--	1.49	0.1100 U	--	--	--	--
B-20-20	ROW	Not Removed	8/6/2007	20	--	0.809	--	--	0.481 U	12.3	--	1.15	0.1160 U	--	--	--	--
B-21-8	ROW	Not Removed	8/6/2007	8	--	1.46	--	--	0.534 U	19.7	--	2.42	0.1270 U	--	--	--	--
B-21-12.5	ROW	Not Removed	8/7/2007	12.5	--	1.39	--	--	0.526 U	24.9	--	2.04	0.0999 U	--	--	--	--
B-21-20	ROW	Not Removed	8/7/2007	20	--	0.933	--	--	0.555 U	18.0	--	1.27	0.1070 U	--	--	--	--
B-22-8	ROW	Not Removed	8/6/2007	8	--	1.15	--	--	0.513 U	14.8	--	1.86	0.1020 U	--	--	--	--
B-22-17.5	ROW	Not Removed	8/7/2007	17.5	--	1.33	--	--	0.453 U	18.0	--	2.38	0.1100 U	--	--	--	--
B-22-17.5 (DUP-4)	ROW	Not Removed	8/7/2007	17.5	--	2.01	--	--	0.473 U	17.4	--	2.30	0.1140 U	--	--	--	--
B-22-22.5	ROW	Not Removed	8/7/2007	22.5	--	0.783	--	--	0.461 U	11.4	--	1.02	0.0962 U	--	--	--	--
B-23-6	ROW	Not Removed	8/6/2007	6	--	0.894	--	--	0.617 U	14.7	--	2.26	0.1190 U	--	--	--	--
B-23-10	ROW	Not Removed	8/7/2007	10	--	0.883	--	--	0.618 U	14.1	--	4.11	0.1040 U	--	--	--	--
B-23-17.5	ROW	Not Removed	8/7/2007	17.5	--	1.91	--	--	0.442 U	15.3	--	1.59	0.1140 U	--	--	--	--
HB-12	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	55.6	--	--	--	--	--
HB-12 (dup)	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	50.6	--	--	--	--	--
HB-12	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	2.87	--	--	--	--	--
HB-13	South Yard	Not Removed	8/26/2015	0.5	--	--	--	--	--	--	--	12.4	--	--	--	--	--
HB-13	South Yard	Not Removed	8/26/2015	1	--	--	--	--	--	--	--	6.35	--	--	--	--	--

Notes:
[1] Site-specific cleanup levels developed in the Cleanup Action Plan (Foster Wheeler 1998). For subsurface soil at or near groundwater, Section 5.3.2 (Foster Wheeler 1998) specified addressing soil with concentrations exceeding soil CULs by groundwater remediation.

1. Metals by United States Environmental Protection Agency Method 6000/7000 series.
2. **Bold** and shaded concentrations are greater than corresponding site cleanup level.
3. Greyed values indicate the sample is no longer present.

Abbreviation:
-- = not analyzed
ROW = Public Right of Way

Qualifiers:
J = Laboratory flag for estimated value
U = Not detected, value shown is detection limit

Reference:
Foster Wheeler. 1998. Draft Cleanup Action Plan, Former Chevron Bulk Plant 100-1327, Facilities North/King County Metro Transit, Lake Union Site, Prepared for Chevron Products Company & King County Metro Transit. November 24.

Table 6
Groundwater Analytical Results - January 2022
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Location	Sample Date	Benzene	Toluene	Ethylbenzene	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) Pyrene	Dissolved Arsenic	Dissolved Lead
Site Cleanup Level[1]		**43**	**48,500**	**6,910**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-4	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-7	01/06/2022	18.2	2.89	33.5	137	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**27.3 J**	1.47 J
MW-8A	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-8A-DUP	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
AGI-2	01/06/2022	1.06	0.615 J	4.99	0.245 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**10.2 J**	2.03
MLU-1	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MLU-3	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	**5.45 J**
MW-11	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**13.5 J**	<2.00
MW-15	01/06/2022	0.294 J	0.791 J	1.73	5.15	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-19	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-20	01/06/2022	<1.00	<1.00	<1.00	0.121 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<3.17 B	<2.00
MW-21	01/06/2022	0.433 J	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	**11.9 J**	<2.00
MW-22	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.60 B	<2.00
MW-24	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-25	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<3.35 B	<2.00
MW-26	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00
MW-29	01/06/2022	<1.00	<1.00	<1.00	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<2.00 B	<2.00

Notes:

[1] Site-specific cleanup levels developed in Draft Cleanup Action Plan (Foster Wheeler 1998).

1. All samples were field filtered excluding benzene, ethylbenzene, and toluene.
2. All results are reported in microgram per liter (µg/L).
3. Bold and shaded concentrations are greater than corresponding site cleanup level.

Acronyms and Abbreviations:

< = indicates concentration is less than the method detection limit

DUP = duplicate sample collected from MW-8A

Qualifiers:

B = Analyte considered non-detect at the listed value due to associated blank contamination.

J = The concentration is an approximate value.

Reference:

Foster Wheeler. 1998. Draft Cleanup Action Plan, Former Chevron Bulk Plant 100-1327, Facilities North/King County Metro Transit, Lake Union Site, Prepared for Chevron Products Company & King County Metro Transit. November 24.

Table 7
Consecutive Sampling Events in Compliance
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Compliance Monitoring Well	Petroleum Constituents: Benzene, Toluene, Ethylbenzene, Naphthalenes		Carcinogenic Polyaromatic Hydrocarbons		Lead	
	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]	Current Sampling Interval	Consecutive Sampling Events in Compliance[1,2]
North Yard						
MW-19	Semiannual	20 [3]	Semiannual	11	Semiannual	19 [3]
MW-20	Semiannual	20 [3]	Semiannual	20 [3]	Semiannual	19 [3]
MW-21	Semiannual	20 [3]	Semiannual	20 [3]	Semiannual	19 [3]
South Yard						
MW-4	Semiannual	20 [3]	Semiannual	17 [3]	Semiannual	19 [3]
MW-7	Semiannual	12	Semiannual	12	Semiannual	18 [3]
MW-8A	Semiannual	20 [3]	Semiannual	19 [3]	Semiannual	19 [3]
AGI-2	Semiannual	4	Semiannual	17 [3]	Semiannual	6 [3]
MLU-1	Semiannual	19 [3]	Semiannual	18 [3]	Semiannual	18 [3]
MLU-3 [4]	Semiannual	14	Semiannual	14	Semiannual	0
MW-25	Semiannual	20 [3]	Semiannual	21 [3]	Semiannual	19 [3]
MW-26	Semiannual	20 [3]	Semiannual	19 [3]	Semiannual	18 [3]

Notes:

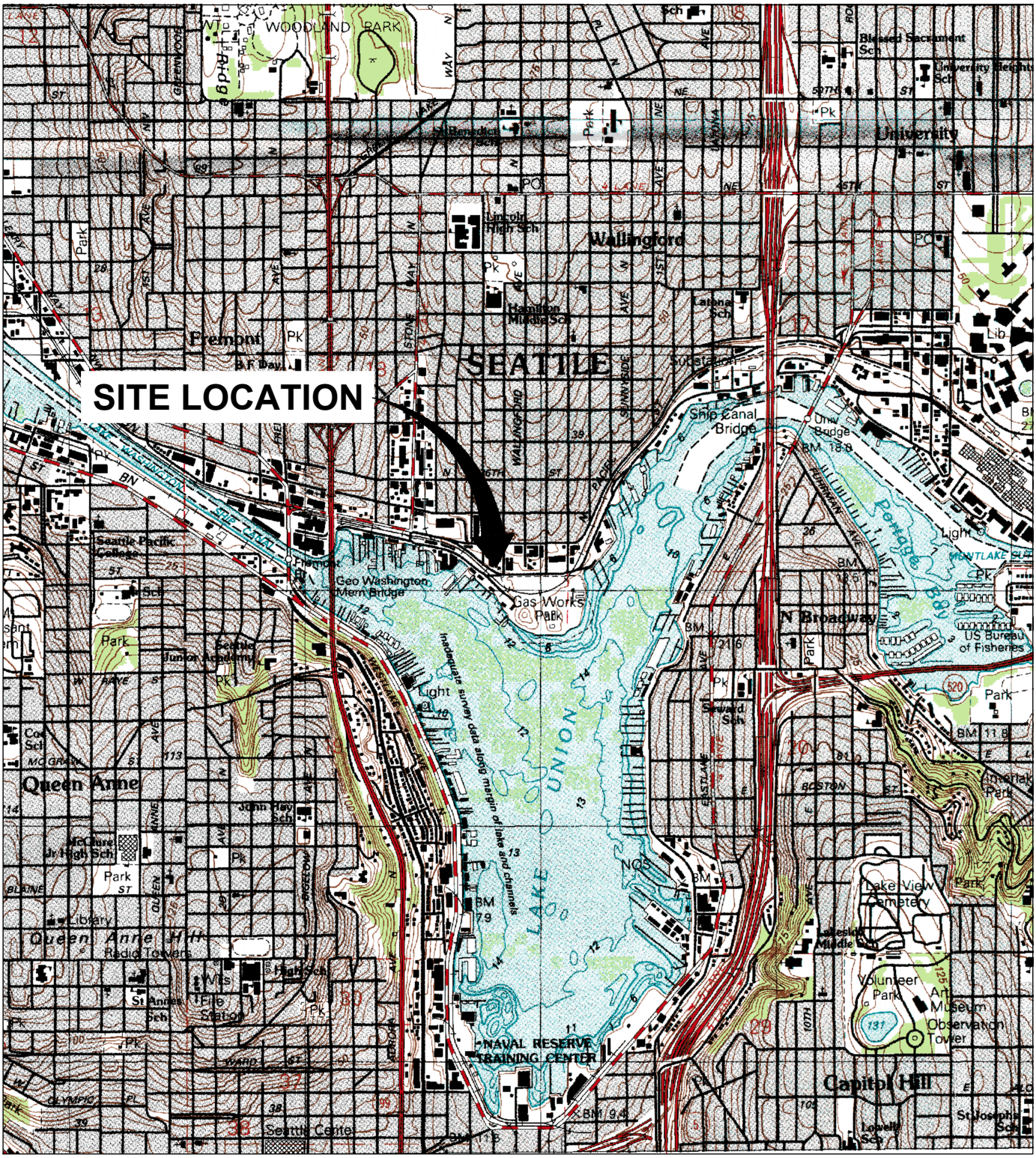
[1] Consecutive events are number of consecutive sampling events prior to and including the current reporting period that are in compliance with the groundwater remediation action levels. Events prior to 2010 are not counted.

[2] Consecutive events exclude arsenic values because the site arsenic cleanup level is less than the practicable quantitation limit and the arsenic background concentrations for the area.

[3] No exceedances, but constituent not analyzed consecutively every sampling event.

[4] MLU-3 only sampled 11 times since 2010. MLU-3 was sampled annually in 2014 and 2015, and semiannually since.

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SEATTLE NORTH, WA.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

WASHINGTON

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

XREFS:
IMAGES:
WA_Seattle_North.tif

C:\Users\Ksarton\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-CHEVRON-100327-SEATTLE Washington\2022\01-In Progress\01-DWG\5YRR-100327-F01-SITE MAP.dwg LAYOUT: 1 SAVED: 1/13/2022 2:10 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/13/2022 2:12 PM BY: SARTORI, KATHERINE

N

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- NORTH YARD
- SOUTH YARD
- PUBLIC RIGHT OF WAY

0 100' 200'

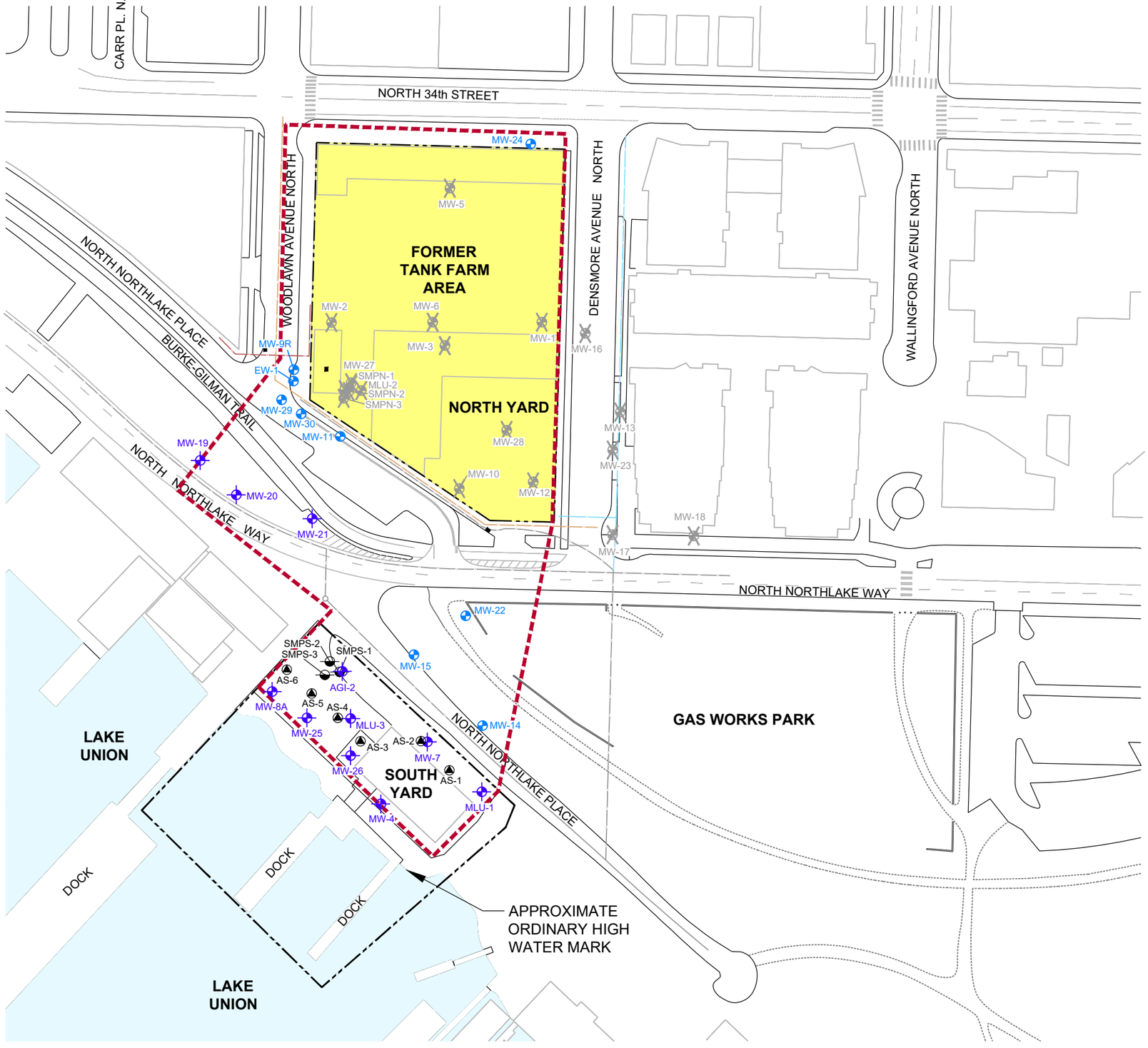
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

SITE AERIAL MAP

ARCADIS

FIGURE
2



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
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3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE

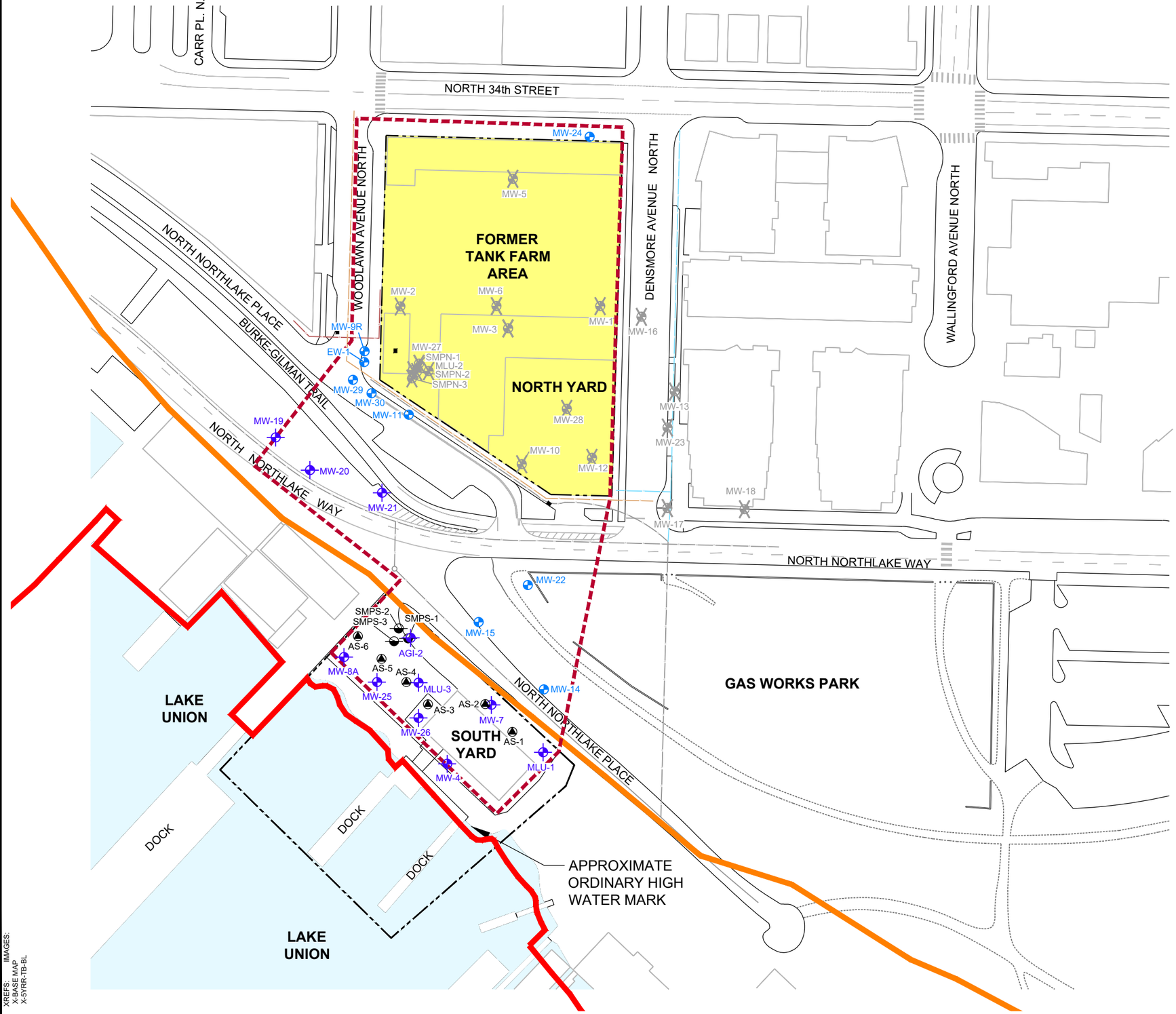
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

SITE PLAN

ARCADIS

FIGURE
3



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- APROXIMATE CURRENT SHORELINE
- APPROXIMATE 1905 SHORELINE
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
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0 100' 200'
GRAPHIC SCALE

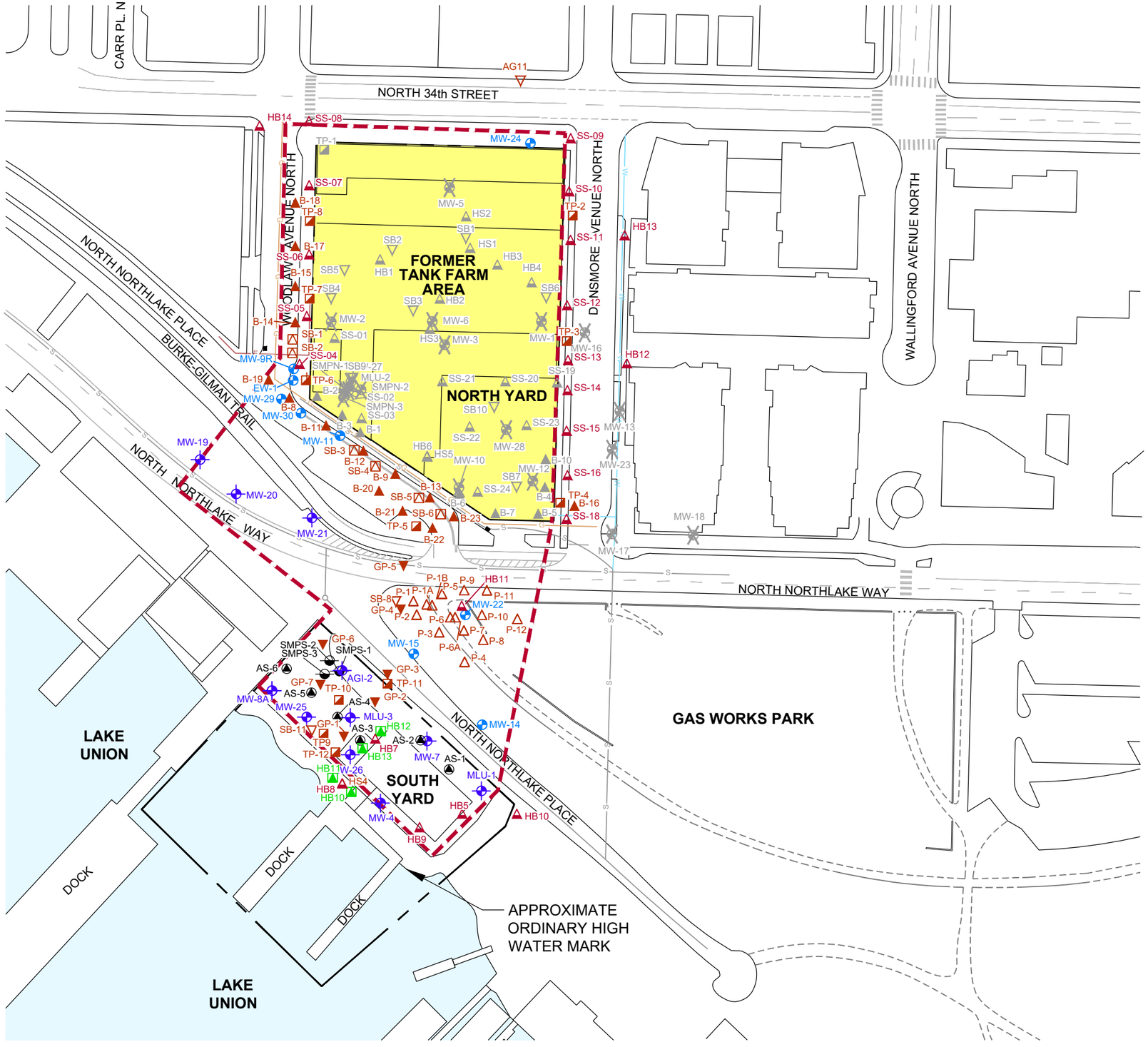
FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

LAKE UNION HISTORICAL SHORELINE

ARCADIS

FIGURE
4

C:\Users\barobita\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-CHEVRON-1001327-SEATTLE Washington\2022\01-In Progress\01-DWG\5YRR-1001327-F04-HIST SHORELINE.dwg LAYOUT: 4 SAVED: 4/12/2022 10:12 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 4/12/2022 10:31 AM BY: ROBITAILLE, BEVERLY
XREFS: IMAGES:
X-BASE MAP
X-5YRR-TB-BL



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- 2015 CONFIRMATION HAND BORING
- 2014 BORING LOCATION
- 2007 BORING LOCATION
- 2006 BORING LOCATION
- 2001 BORING LOCATION
- 1993 BORING LOCATION
- 1993 TEST PIT SAMPLE
- 1991 AND 1993 HAND BORING LOCATION
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

NOTES:

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5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE

0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

SOIL AND GROUNDWATER SAMPLE LOCATIONS

ARCADIS

FIGURE
5

C:\Users\barobita\ACCDocs\Arcadis\AUS-CHEVRON-1001327-SEATTLE Washington\Project Files\2022\01-In Progress\01-DWG\5YRR-1001327-F05-SITE SOIL.dwg LAYOUT: 5 SAVED: 4/12/2022 11:13 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 4/12/2022 12:57
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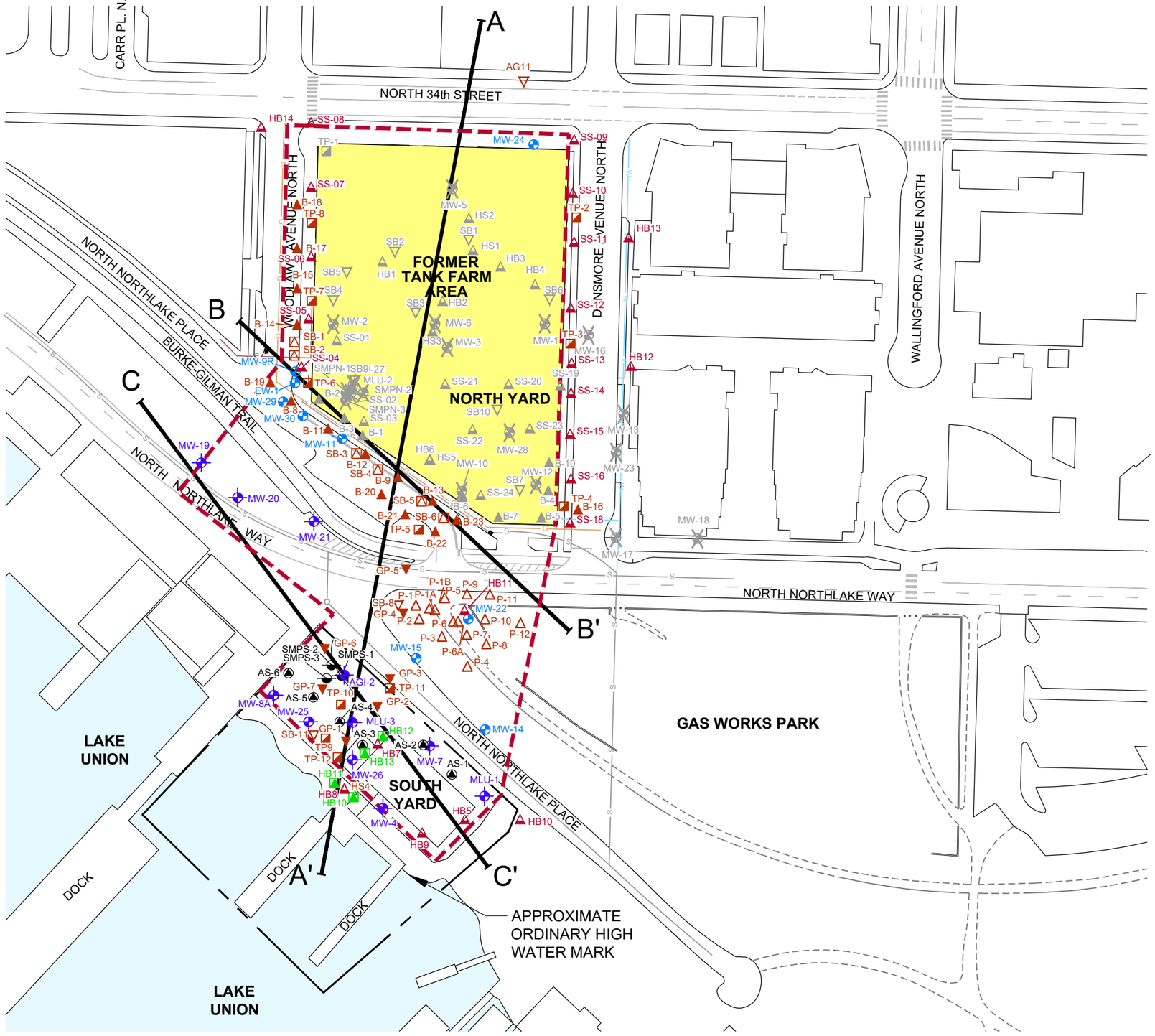
XREFS: IMAGES:
X-BASE MAP
X-5YRR-TB-BL
X-SP-HISTORIC v2



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- 2015 CONFIRMATION HAND BORING
- 2014 BORING LOCATION
- 2007 BORING LOCATION
- 2006 BORING LOCATION
- 2001 BORING LOCATION
- 1993 BORING LOCATION
- 1993 TEST PIT SAMPLE
- 1991 AND 1993 HAND BORING LOCATION
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- A——A' CROSS SECTION LOCATION

NOTES:

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5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE.
6. HISTORICAL ANALYTICAL RESULTS DEPICTED IN GREY

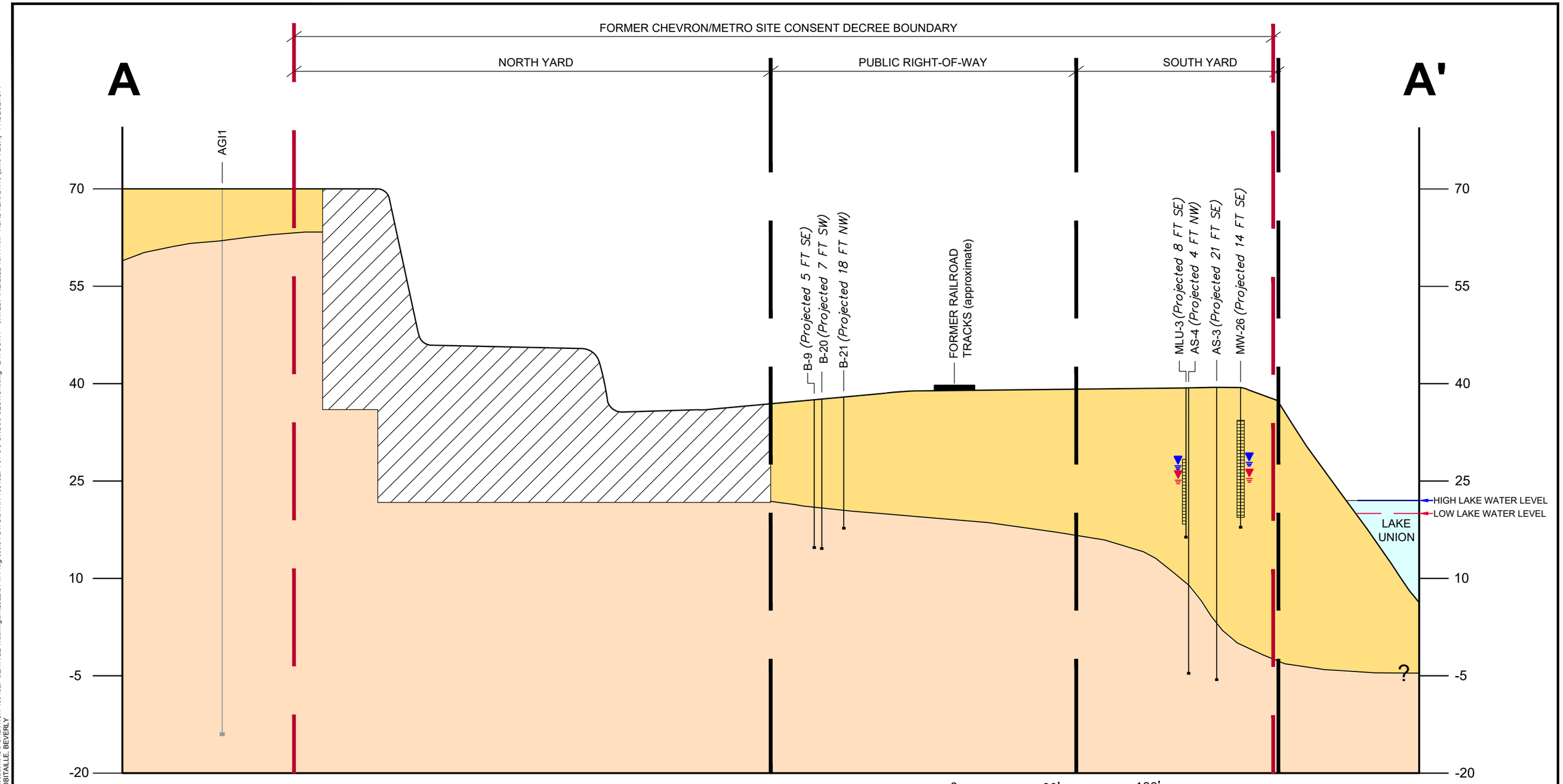
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

CROSS-SECTION LOCATION MAP

ARCADIS

FIGURE 6



LEGEND:

MW-5 — WELL ID

GROUND SURFACE

GEOLOGIC CONTACT

WELL SCREEN

BOTTOM OF BORING

HISTORICAL HIGH GROUNDWATER LEVEL

HISTORICAL LOW GROUNDWATER LEVEL

PROPERTY BOUNDARY

FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY

20TH CENTURY FILL: LOOSELY COMPACTED YELLOWISH-BROWN TO GREYISH-BROWN SAND AND SILTY SAND WITH OCCASIONAL GRAVEL AND/OR DEBRIS (BOTH VEGETABLE AND ANTHROPOGENIC)

VASHON STADE DEPOSITS: HARD, DENSE, GREY AND TIGHTLY COMPACTED SAND, SILT, AND GRAVEL DEPOSITED DURING THE ADVANCE AND RETREAT OF THE VASHON STADE GLACIER (ADVANCE OUTWASH, GLACIAL TILL, RECESSIONAL SAND)

SOIL EXCAVATED DURING THE TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

0 60' 120'
HORIZONTAL SCALE

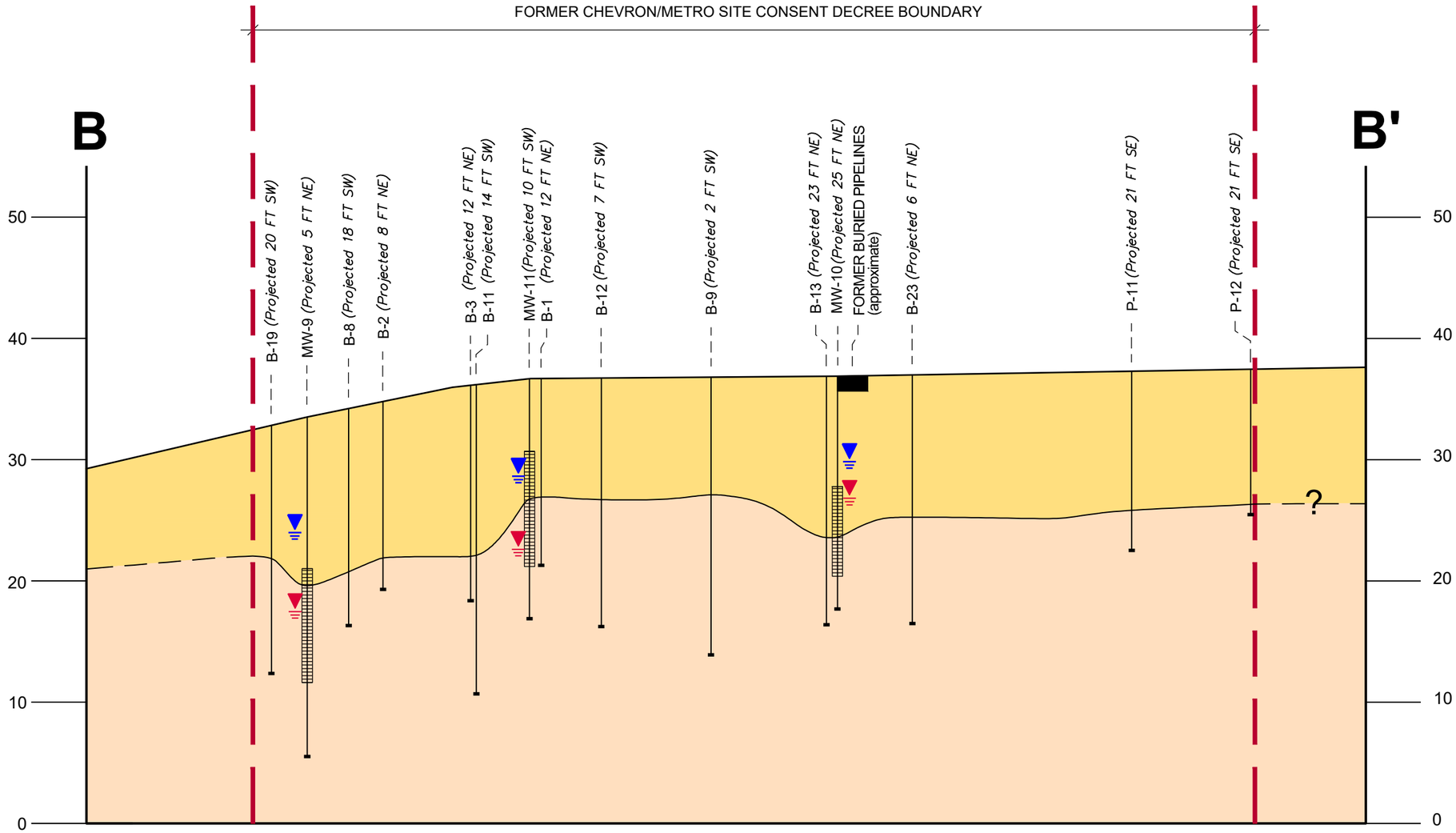
0 15' 30'
VERTICAL SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

CROSS-SECTION A-A'

ARCADIS

FIGURE 7



LEGEND:

MW-10 — WELL ID

``GROUND SURFACE

GEOLOGIC CONTACT

WELL SCREEN

BOTTOM OF BORING

HISTORICAL HIGH GROUNDWATER LEVEL

HISTORICAL LOW GROUNDWATER LEVEL

FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY

20TH CENTURY FILL: LOOSELY COMPACTED YELLOWISH-BROWN TO GREYISH-BROWN SAND AND SILTY SAND WITH OCCASIONAL GRAVEL AND/OR DEBRIS (BOTH VEGETABLE AND ANTHROPOGENIC)

VASHON STADE DEPOSITS: HARD, DENSE, GREY AND TIGHTLY COMPACTED SAND, SILT, AND GRAVEL DEPOSITED DURING THE ADVANCE AND RETREAT OF THE VASHON STADE GLACIER (ADVANCE OUTWASH, GLACIAL TILL, RECESSIONAL SAND)

0 40' 80'
HORIZONTAL SCALE

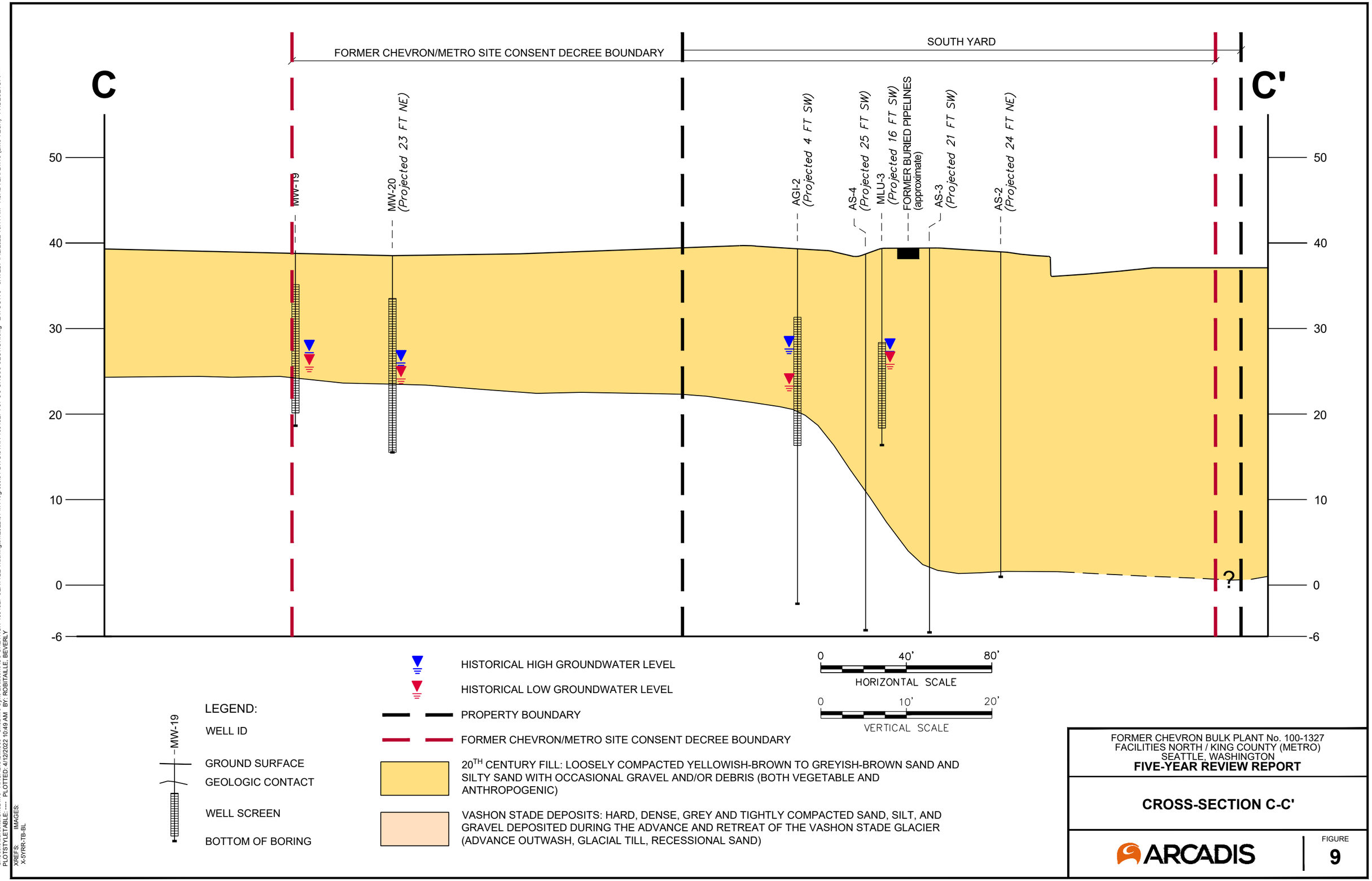
0 10' 20'
VERTICAL SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

CROSS-SECTION B-B'

ARCADIS

FIGURE
8

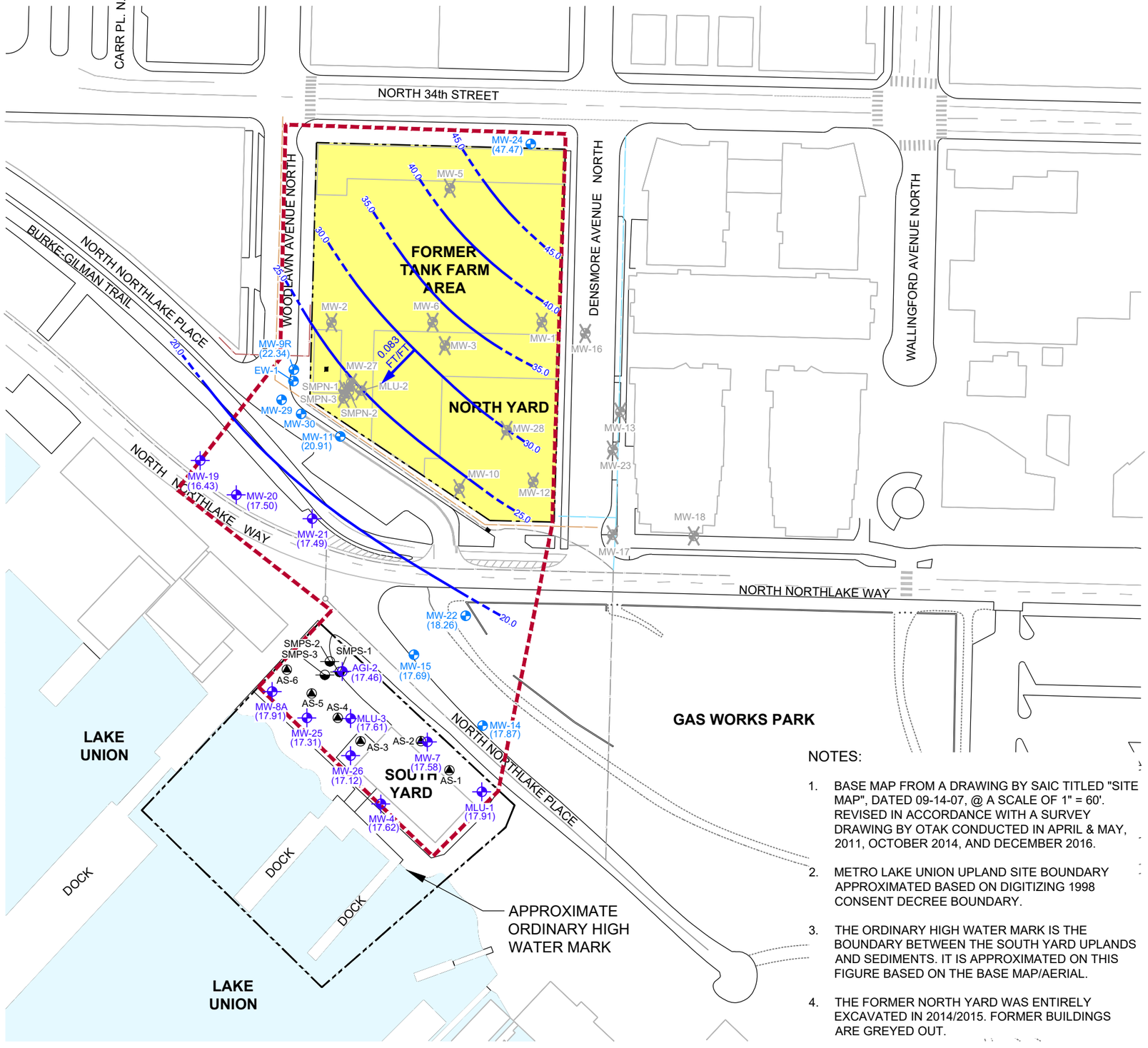


FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

CROSS-SECTION C-C'

ARCADIS

FIGURE
9



LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- 45.0 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (47.47) GROUNDWATER ELEVATION (FEET)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- 0.083 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
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4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.

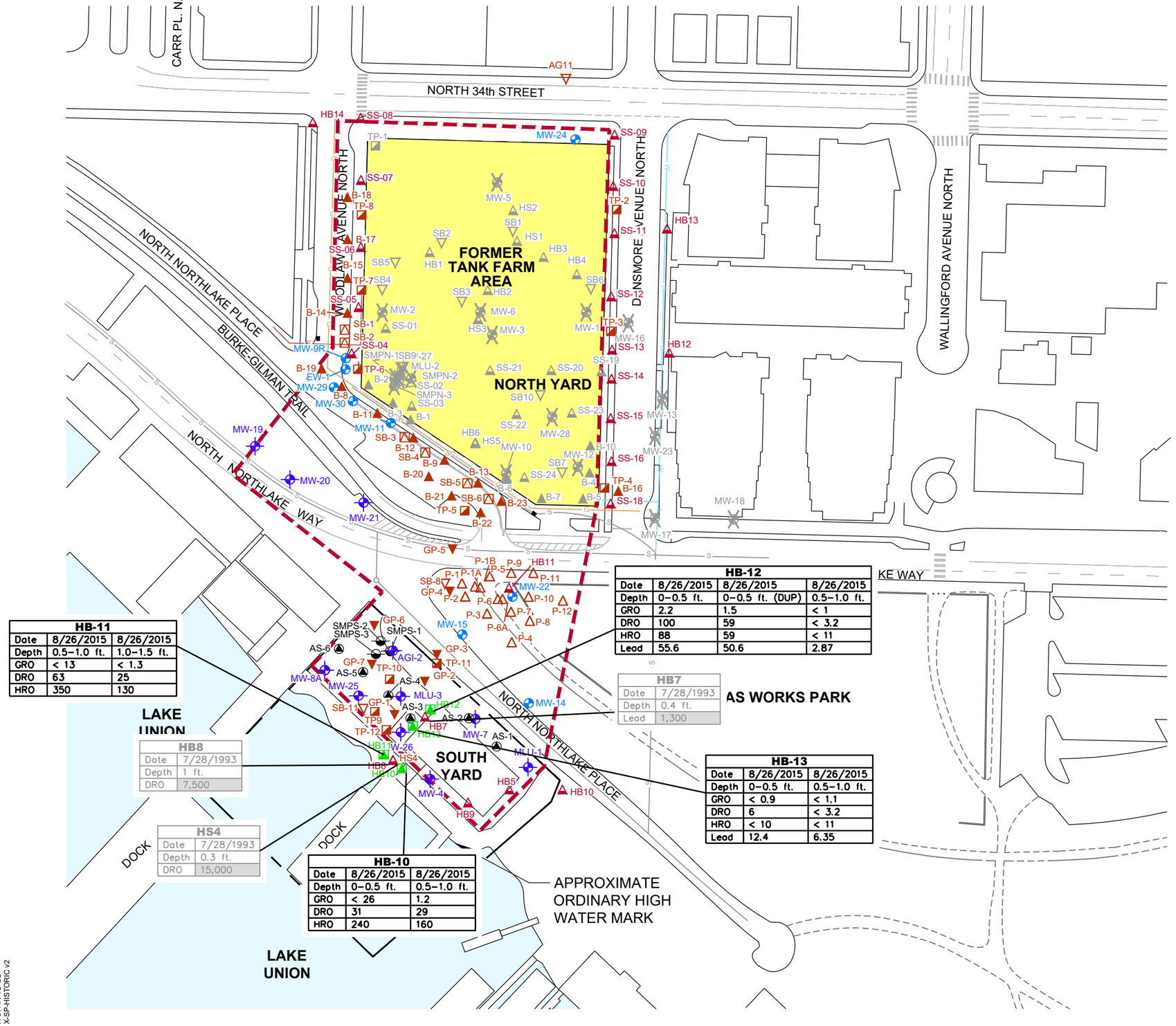
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

GROUNDWATER ELEVATION CONTOUR MAP JANUARY 6, 2022

ARCADIS

FIGURE 10



HB-11		
Date	8/26/2015	8/26/2015
Depth	0.5–1.0 ft.	1.0–1.5 ft.
GRO	< 13	< 1.3
DRO	63	25
HRO	350	130

HB-12			
Date	8/26/2015	8/26/2015	8/26/2015
Depth	0–0.5 ft.	0–0.5 ft. (DUP)	0.5–1.0 ft.
GRO	2.2	1.5	< 1
DRO	100	59	< 3.2
HRO	88	59	< 11
Lead	55.6	50.6	2.87

HB7	
Date	7/28/1993
Depth	0.4 ft.
Lead	1,300

HB8	
Date	7/28/1993
Depth	1 ft.
DRO	7,500

HB-13		
Date	8/26/2015	8/26/2015
Depth	0–0.5 ft.	0.5–1.0 ft.
GRO	< 0.9	< 1.1
DRO	6	< 3.2
HRO	< 10	< 11
Lead	12.4	6.35

HS4	
Date	7/28/1993
Depth	0.3 ft.
DRO	15,000

HB-10		
Date	8/26/2015	8/26/2015
Depth	0–0.5 ft.	0.5–1.0 ft.
GRO	< 26	1.2
DRO	31	29
HRO	240	160

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- 2015 CONFIRMATION HAND BORING
- 2014 BORING LOCATION
- 2007 BORING LOCATION
- 2006 BORING LOCATION
- 2001 BORING LOCATION
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- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY

<	NON DETECT, REPORTING LIMIT SHOWN HERE
--	NOT ANALYZED
	EXCEEDS SITE SPECIFIC SOIL CLEANUP LEVELS
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
HRO	HEAVY OIL RANGE ORGANICS
DUP	BLIND DUPLICATE SAMPLE

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS AND SAMPLING LOCATIONS ARE GREYED OUT.
5. ALL LOCATIONS OTHER THAN CURRENT GROUNDWATER MONITORING WELLS AND COMPLIANCE MONITORING WELLS ARE APPROXIMATE.
6. HISTORICAL ANALYTICAL RESULTS DEPICTED IN GREY

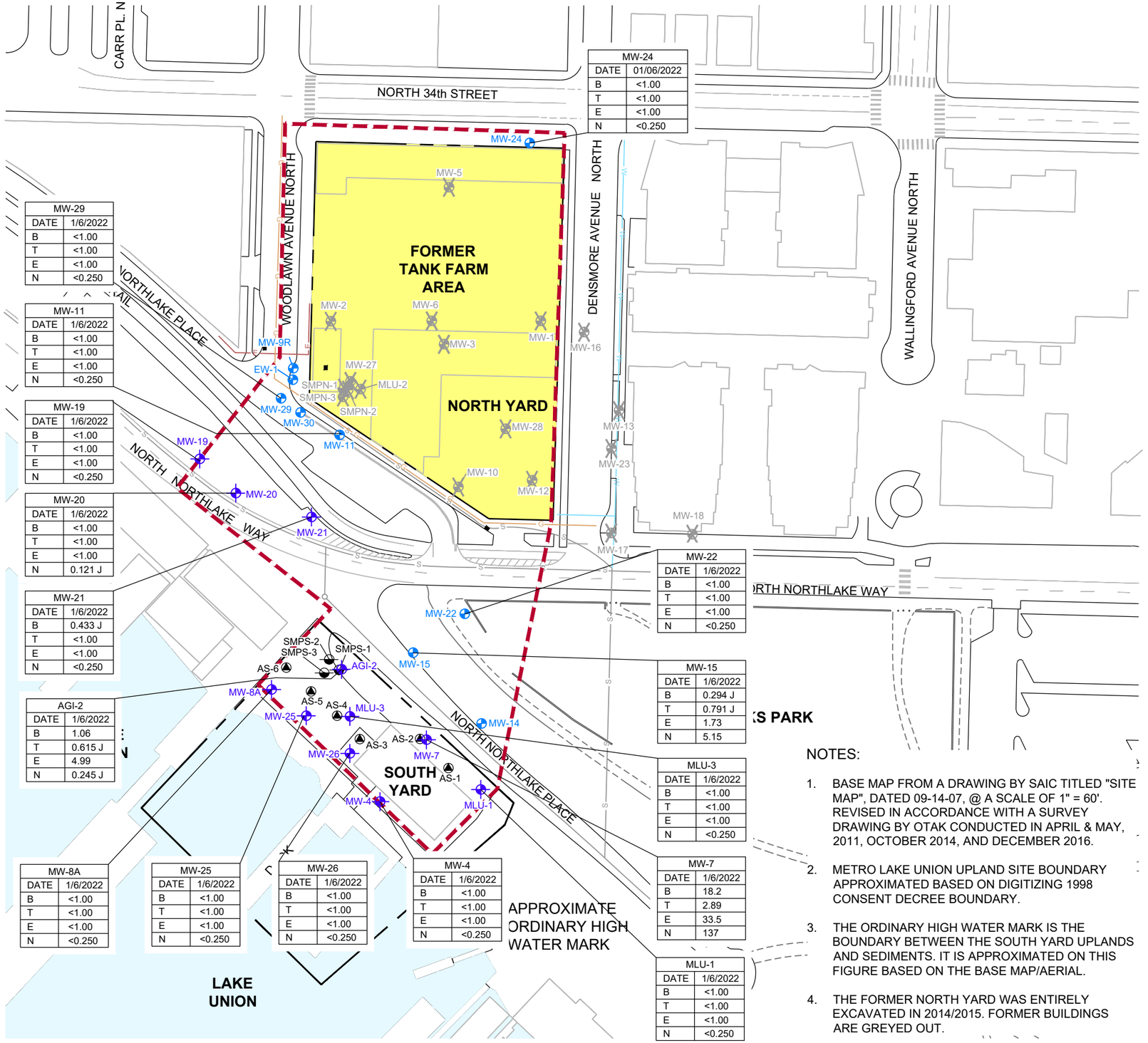
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

SOUTH YARD HAND AUGER CONFIRMATION SAMPLE RESULTS

ARCADIS

FIGURE
11



MW-24	
DATE	01/06/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-29	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-11	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-19	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-20	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	0.121 J

MW-21	
DATE	1/6/2022
B	0.433 J
T	<1.00
E	<1.00
N	<0.250

AGI-2	
DATE	1/6/2022
B	1.06
T	0.615 J
E	4.99
N	0.245 J

MW-8A	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-25	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-26	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-4	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-22	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-15	
DATE	1/6/2022
B	0.294 J
T	0.791 J
E	1.73
N	5.15

MLU-3	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

MW-7	
DATE	1/6/2022
B	18.2
T	2.89
E	33.5
N	137

MLU-1	
DATE	1/6/2022
B	<1.00
T	<1.00
E	<1.00
N	<0.250

N

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- < NOT DETECTED AT OR ABOVE THE REPORTING LIMIT
- J RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- B BENZENE
- E ETHYLBENZENE
- N NAPHTHALENE
- T TOLUENE

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.

Site Cleanup Levels	
Benzene	43
Toluene	48,500
Ethylbenzene	6,910
Naphthalene	9,880

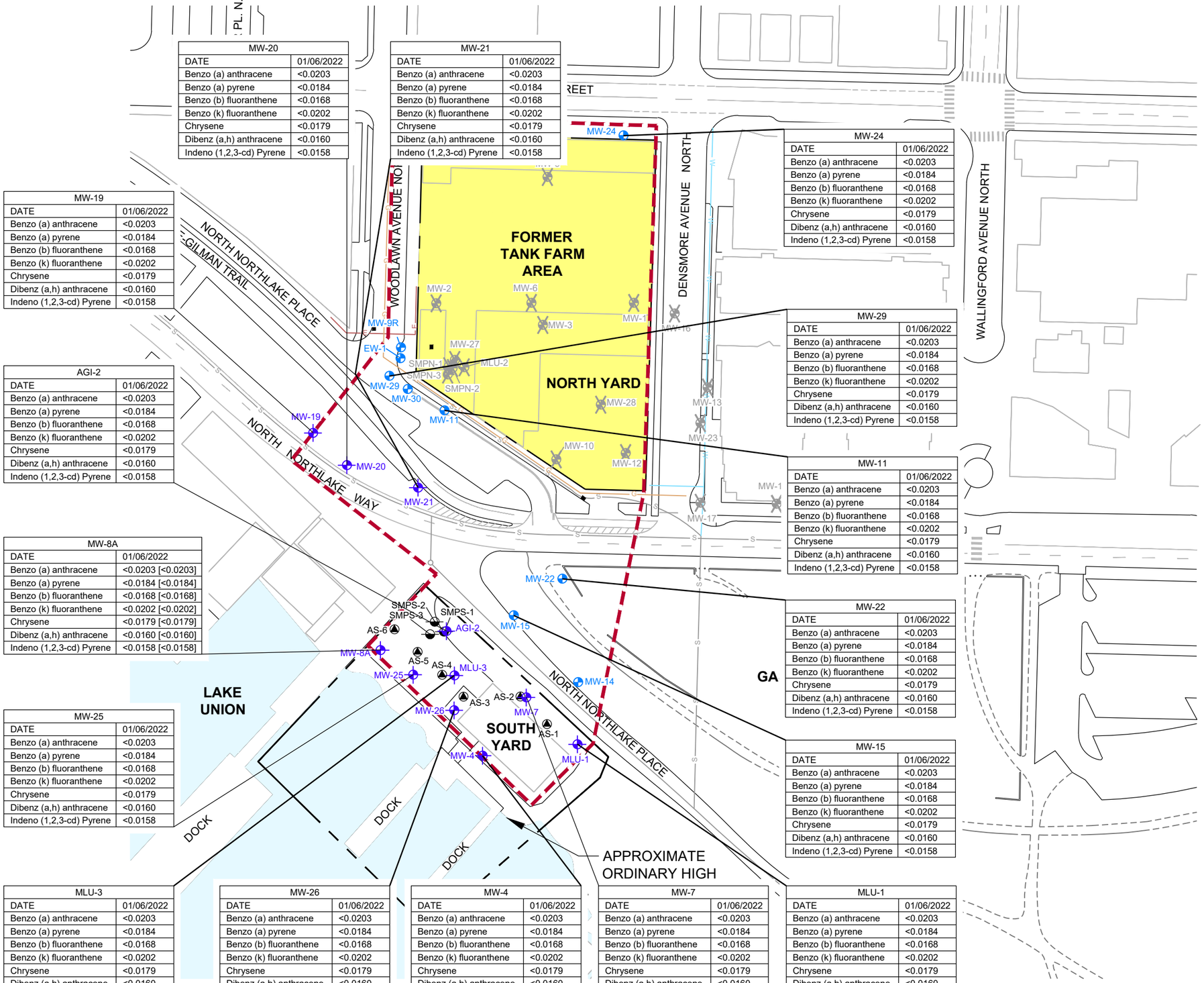
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

GROUNDWATER ANALYTICAL RESULTS MAP - PETROLEUM HYDROCARBONS JANUARY 6, 2022

ARCADIS

FIGURE
12



MW-20	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-21	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-19	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-24	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

AGI-2	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-29	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-11	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-8A	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203 [<0.0203]
Benzo (a) pyrene	<0.0184 [<0.0184]
Benzo (b) fluoranthene	<0.0168 [<0.0168]
Benzo (k) fluoranthene	<0.0202 [<0.0202]
Chrysene	<0.0179 [<0.0179]
Dibenz (a,h) anthracene	<0.0160 [<0.0160]
Indeno (1,2,3-cd) Pyrene	<0.0158 [<0.0158]

MW-22	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-25	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-15	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MLU-3	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-26	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-4	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MW-7	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

MLU-1	
DATE	01/06/2022
Benzo (a) anthracene	<0.0203
Benzo (a) pyrene	<0.0184
Benzo (b) fluoranthene	<0.0168
Benzo (k) fluoranthene	<0.0202
Chrysene	<0.0179
Dibenz (a,h) anthracene	<0.0160
Indeno (1,2,3-cd) Pyrene	<0.0158

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- [ ] DUPLICATE SAMPLE (µg/L)
- < NOT DETECTED AT OR ABOVE THE REPORTING LIMIT

Site Cleanup Levels	
Benzo (a) anthracene	0.0296
Benzo (a) pyrene	0.0296
Benzo (b) fluoranthene	0.0296
Benzo (k) fluoranthene	0.0296
Chrysene	0.0296
Dibenz (a,h) anthracene	0.0296
Indeno (1,2,3-cd) Pyrene	0.0296

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. ALL LOCATIONS EXCLUDING MONITORING WELLS ARE APPROXIMATE.
3. ARSENIC AND LEAD SAMPLES WERE FIELD FILTERED WITH A DISPOSABLE 0.45 MICRON FILTER.
4. ALL GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (µg/L).
5. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.

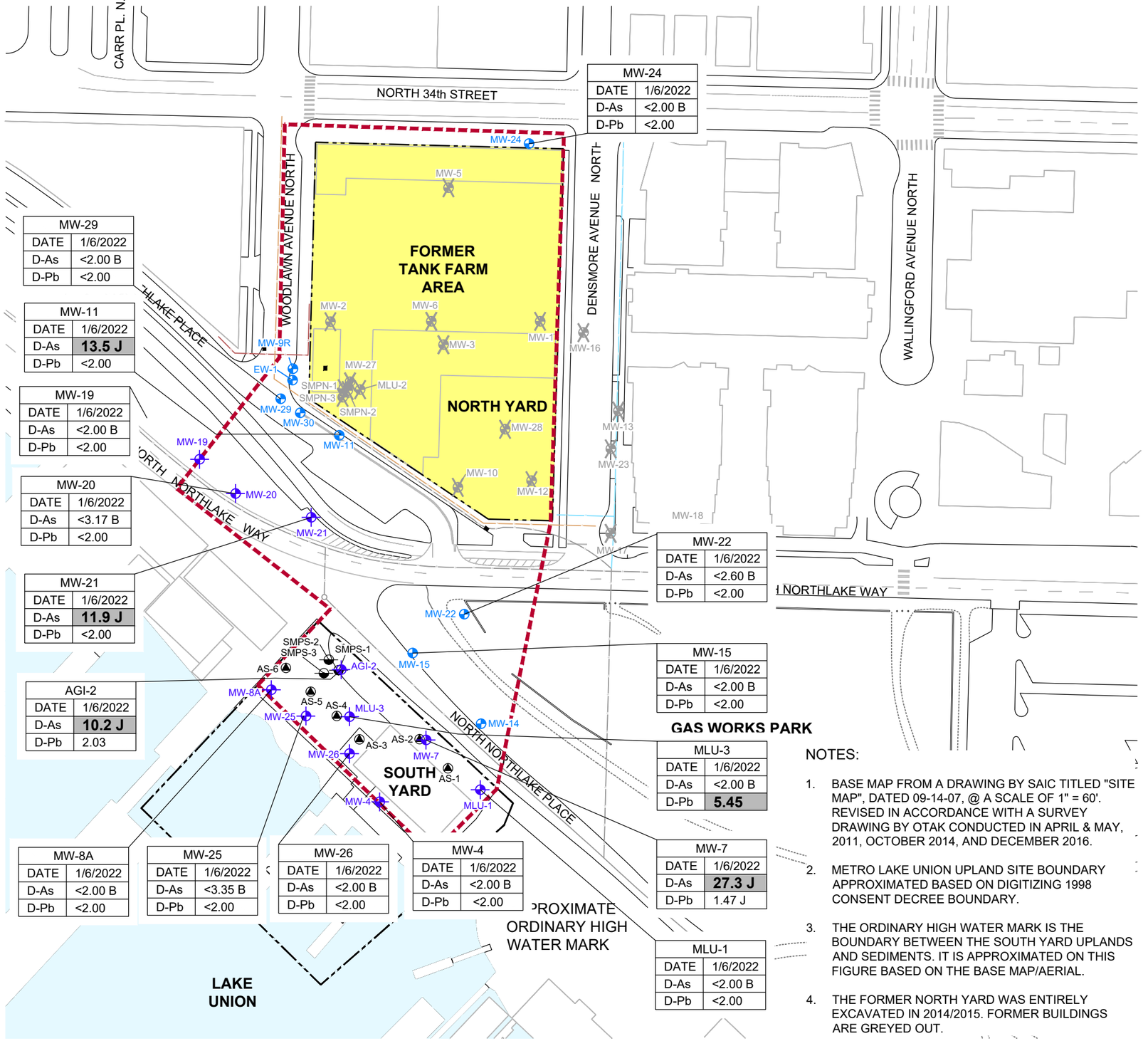
0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

GROUNDWATER ANALYTICAL RESULTS MAP - CARCINOGENIC POLYAROMATIC HYDROCARBONS JANUARY 6, 2022

ARCADIS

FIGURE 13



MW-24	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-29	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-11	
DATE	1/6/2022
D-As	**13.5 J**
D-Pb	<2.00

MW-19	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-20	
DATE	1/6/2022
D-As	<3.17 B
D-Pb	<2.00

MW-21	
DATE	1/6/2022
D-As	**11.9 J**
D-Pb	<2.00

AGI-2	
DATE	1/6/2022
D-As	**10.2 J**
D-Pb	2.03

MW-22	
DATE	1/6/2022
D-As	<2.60 B
D-Pb	<2.00

MW-15	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MLU-3	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	**5.45**

MW-7	
DATE	1/6/2022
D-As	**27.3 J**
D-Pb	1.47 J

MLU-1	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-8A	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-25	
DATE	1/6/2022
D-As	<3.35 B
D-Pb	<2.00

MW-26	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

MW-4	
DATE	1/6/2022
D-As	<2.00 B
D-Pb	<2.00

LEGEND:

- PROPERTY BOUNDARY
- FORMER CHEVRON/METRO SITE CONSENT DECREE BOUNDARY
- COMPLIANCE MONITORING WELL
- GROUNDWATER MONITORING WELL
- SUPPLEMENTARY MONITORING POINT
- BIOSPARGE INJECTION WELL
- ABANDONED MONITORING WELL
- CATCH BASIN
- NATURAL GAS LINE (APPROXIMATE)
- UNDERGROUND ELECTRIC LINE (APPROXIMATE)
- WATER LINE (APPROXIMATE)
- SEWER LINE (APPROXIMATE)
- TOUCHSTONE REDEVELOPMENT EXCAVATION BOUNDARY
- **BOLD** BOLD AND SHADED VALUES ARE GREATER THAN THEIR RESPECTIVE SITE CLEANUP LEVEL
- < NOT DETECTED AT OR ABOVE THE REPORTING LIMIT
- J RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- B THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- D-As DISSOLVED ARSENIC
- D-Pb DISSOLVED LEAD

NOTES:

1. BASE MAP FROM A DRAWING BY SAIC TITLED "SITE MAP", DATED 09-14-07, @ A SCALE OF 1" = 60'. REVISED IN ACCORDANCE WITH A SURVEY DRAWING BY OTAK CONDUCTED IN APRIL & MAY, 2011, OCTOBER 2014, AND DECEMBER 2016.
2. METRO LAKE UNION UPLAND SITE BOUNDARY APPROXIMATED BASED ON DIGITIZING 1998 CONSENT DECREE BOUNDARY.
3. THE ORDINARY HIGH WATER MARK IS THE BOUNDARY BETWEEN THE SOUTH YARD UPLANDS AND SEDIMENTS. IT IS APPROXIMATED ON THIS FIGURE BASED ON THE BASE MAP/AERIAL.
4. THE FORMER NORTH YARD WAS ENTIRELY EXCAVATED IN 2014/2015. FORMER BUILDINGS ARE GREYED OUT.

Site Cleanup Levels	
Dissolved Arsenic	0.0982
Dissolved Lead	5

0 100' 200'
GRAPHIC SCALE

FORMER CHEVRON BULK PLANT No. 100-1327
FACILITIES NORTH / KING COUNTY (METRO)
SEATTLE, WASHINGTON
FIVE-YEAR REVIEW REPORT

GROUNDWATER ANALYTICAL RESULTS MAP - DISSOLVED METALS JANUARY 6, 2022

ARCADIS

FIGURE
14

Appendix A

January 2022 Groundwater Monitoring Field Notes

Groundwater Gauging Log

Project Number	30064328
Client:	Chevron
Site ID:	1001327
Site Location:	Seattle, Washington
Measuring Point:	Top of Casing
Date(s):	01/06/2022
Sampler(s):	Lee Bures
Gauging Equipment:	Water Level Meter

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
AGI-2	01/06/2022	09:57	13.22	ND	22.50	--	--	--
MLU-1	01/06/2022	10:04	14.99	ND	22.50	--	--	--
MLU-3	01/06/2022	09:19	13.03	ND	20.75	--	--	--
MW-11	01/06/2022	09:34	12.12	ND	15.53	--	--	--
MW-14	01/06/2022	09:18	13.73	ND	19.01	--	--	--
MW-15	01/06/2022	09:32	13.91	ND	19.11	--	--	--
MW-19	01/06/2022	10:07	14.48	ND	16.47	--	--	--
MW-20	01/06/2022	10:00	14.03	ND	21.88	--	--	--
MW-21	01/06/2022	09:50	13.81	ND	19.79	--	--	--
MW-22	01/06/2022	09:25	14.42	ND	20.33	--	--	--
MW-24	01/06/2022	10:41	22.3	ND	27.83	--	--	--
MW-25	01/06/2022	09:27	13.6	ND	19.40	--	--	--
MW-26	01/06/2022	09:14	13.05	ND	20.02	--	--	--
MW-29	01/06/2022	09:29	10.29	ND	21.33	--	--	--
MW-4	01/06/2022	09:11	16.3	ND	19.79	--	--	--
MW-7	01/06/2022	10:00	13.55	ND	16.42	--	--	--
MW-8A	01/06/2022	09:22	12.4	ND	24.46	--	--	--
MW-9R	01/06/2022	09:14	14	ND	21.70	--	--	--

ft-bmp = feet below measuring point ND = Not Detected PID = Photoionization Detector Reading

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	AGI-2	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.22	**Total Depth (ft-bmp)**	22.5	**Water Column (ft)**	9.28	**Gallons in Well**	1.51
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**	Grab		
Sample Time	23:43	**Well Volumes Purged**	0.52	**Sample ID**	AGI-2-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	11:25	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	11:40	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:28	200	13.25	6.86	0.601	61.0	0.12	10.43	-35.6	Clear	--
11:31	200	13.25	6.86	0.613	50.0	0.19	10.00	-35.2	Clear	--
11:34	200	13.25	6.85	0.616	41.0	0.08	10.00	-35.7	Clear	--
11:37	200	13.25	6.85	0.616	39.0	0.08	10.00	-35.7	Clear	--
11:40	200	13.25	6.85	0.615	39.0	0.08	10.00	-35.5	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: AGI-2-W-20220106 Sample Time: 23:43 Sample Depth (ft-bmp): 18

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MLU-1	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	10 to 20	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	--	**Total Depth (ft-bmp)**	--	**Water Column (ft)**	--	**Gallons in Well**	0
Water Quality Meter Make/Model	Hach 2100Q	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	13:10	**Well Volumes Purged**	--	**Sample ID**	Mlu1-w-20320106	**Evacuation Equipment**	Peristaltic
Purge Start	12:49	**Gallons Purged**	0.95	**Duplicate ID**	--		
Purge End	13:07	**Total Purge Time (h:m)**	0:18				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:52	200	15.11	6.83	0.291	75.0	4.00	9.32	-124.8	Clear	--
12:55	200	15.11	6.91	0.294	54.0	3.89	9.47	-129.2	Clear	--
12:58	200	15.11	7.02	0.297	34.0	3.86	9.51	-135.5	Clear	--
13:01	200	15.11	7.10	0.298	17.0	3.83	9.54	-140.9	Clear	--
13:04	200	15.11	7.17	0.297	16.0	3.85	9.58	-144.1	Clear	--
13:07	200	15.11	7.19	0.298	16.0	3.81	9.61	-148.2	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: Mlu1-w-20320106 Sample Time: 13:10 Sample Depth (ft-bmp): 18.5

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MLU-3	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	11 to 21	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.03	**Total Depth (ft-bmp)**	20.75	**Water Column (ft)**	7.72	**Gallons in Well**	1.25
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	14:58	**Well Volumes Purged**	0.63	**Sample ID**	MW-3-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	14:40	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	14:55	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:43	200	12.83	6.86	0.178	219	0.02	10.79	-17.3	Clear	--
14:46	200	12.95	6.80	0.176	211	0.02	10.90	-13.5	Clear	--
14:49	200	13.02	6.76	0.174	211	0.02	10.96	-12.3	Clear	--
14:52	200	13.05	6.74	0.172	211	0.02	11.10	-12.1	Clear	--
14:55	200	13.07	6.74	0.173	211	0.02	11.07	-11.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-3-W-20220106 Sample Time: 14:58 Sample Depth (ft-bmp): 17

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-11	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6 to 15.5	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	12.12	**Total Depth (ft-bmp)**	15.53	**Water Column (ft)**	3.41	**Gallons in Well**	0.55
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	11:08	**Well Volumes Purged**	1.44	**Sample ID**	MW-11-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	10:52	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	11:07	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:55	200	12.22	6.04	0.259	88.0	1.09	12.38	15.2	Clear	--
10:58	200	12.31	6.06	0.259	78.0	0.99	12.56	14.9	Clear	--
11:01	200	12.40	6.10	0.260	60.0	0.91	12.79	12.7	Clear	--
11:04	200	12.48	6.13	0.262	58.0	0.90	12.83	11.4	Clear	--
11:07	200	12.53	6.13	0.262	58.0	0.88	12.85	11.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-11-W-20220106 Sample Time: 11:08 Sample Depth (ft-bmp): 14

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-15	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	9.4 to 18.8	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.91	**Total Depth (ft-bmp)**	19.11	**Water Column (ft)**	5.20	**Gallons in Well**	0.84
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	15:12	**Well Volumes Purged**	0.94	**Sample ID**	MW-15-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	14:56	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	15:11	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:59	200	13.91	6.33	0.394	22.0	1.30	13.22	4.8	Clear	--
15:02	200	13.91	6.33	0.399	19.0	1.38	13.30	4.5	Clear	--
15:05	200	13.91	6.42	0.402	14.0	1.00	13.60	2.1	Clear	--
15:08	200	13.91	6.43	0.404	13.0	0.99	13.56	1.4	Clear	--
15:11	200	13.91	6.45	0.403	12.0	0.98	13.60	1	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-15-W-20220106 Sample Time: 15:12 Sample Depth (ft-bmp): 16.5

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-19	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	14.48	**Total Depth (ft-bmp)**	16.47	**Water Column (ft)**	1.99	**Gallons in Well**	0.32
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	14:20	**Well Volumes Purged**	2.48	**Sample ID**	MW-19-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	14:04	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	14:19	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:07	200	14.48	7.55	0.222	23.0	1.58	13.65	-31.4	Clear	--
14:10	200	14.48	6.95	0.224	17.0	1.20	13.70	-10.7	Clear	--
14:13	200	14.48	6.82	0.224	13.0	1.06	13.83	-6.8	Clear	--
14:16	200	14.48	6.79	0.224	13.0	1.03	13.87	-7.1	Clear	--
14:19	200	14.48	6.77	0.224	13.0	1.01	13.90	-6.4	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-19-W-20220106 Sample Time: 14:20 Sample Depth (ft-bmp): 15.5

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-20	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	14.03	**Total Depth (ft-bmp)**	21.88	**Water Column (ft)**	7.85	**Gallons in Well**	1.28
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	13:30	**Well Volumes Purged**	0.62	**Sample ID**	MW-20-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	13:14	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	13:29	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:17	200	14.03	6.81	0.256	34.0	0.94	13.12	-14.1	Clear	--
13:20	200	14.03	6.80	0.255	18.0	0.92	13.23	-14.7	Clear	--
13:23	200	14.03	6.80	0.253	13.0	0.93	13.26	-15.1	Clear	--
13:26	200	14.03	6.81	0.253	13.0	0.91	13.30	-16.5	Clear	--
13:29	200	14.03	6.79	0.252	13.0	0.90	13.32	-17	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-20-W-20220106 Sample Time: 13:30 Sample Depth (ft-bmp): 18

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-21	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.81	**Total Depth (ft-bmp)**	19.79	**Water Column (ft)**	5.98	**Gallons in Well**	0.97
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	12:48	**Well Volumes Purged**	0.82	**Sample ID**	MW-21-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	12:32	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	12:47	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:35	200	13.83	6.52	0.145	47.0	1.41	11.35	-3.1	Clear	--
12:38	200	13.83	6.55	0.146	40.0	1.29	11.34	-3.4	Clear	--
12:41	200	13.83	6.98	0.147	30.0	1.20	11.45	-20.3	Clear	--
12:44	200	13.83	7.00	0.148	31.0	1.18	11.43	-21.2	Clear	--
12:47	200	13.83	7.01	0.148	31.0	1.17	11.47	-21.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-21-W-20220106 Sample Time: 12:48 Sample Depth (ft-bmp): 17

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-22	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	--	**Total Depth (ft-bmp)**	--	**Water Column (ft)**	--	**Gallons in Well**	0
Water Quality Meter Make/Model	Hach 2100Q	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	15:30	**Well Volumes Purged**	--	**Sample ID**	Mw-22-w-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	15:13	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	15:27	**Total Purge Time (h:m)**	0:14				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
15:15	200	14.60	6.93	0.528	46.0	3.06	12.16	-132.5	Clear	--
15:18	200	14.60	7.01	0.559	41.0	2.73	12.50	-153	Clear	--
15:21	200	14.60	7.50	0.571	29.0	2.61	12.59	-164	Clear	--
15:24	200	14.60	7.54	0.572	28.0	2.62	12.87	-165.4	Clear	--
15:27	200	14.60	7.58	0.572	29.0	2.62	12.73	-169.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: Mw-22-w-20220106 Sample Time: 15:30 Sample Depth (ft-bmp): 17

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-24	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	--	**Total Depth (ft-bmp)**	--	**Water Column (ft)**	--	**Gallons in Well**	0
Water Quality Meter Make/Model	Hach 2100Q	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	11:28	**Well Volumes Purged**	--	**Sample ID**	Mw-24-w-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	11:07	**Gallons Purged**	0.95	**Duplicate ID**	--		
Purge End	11:28	**Total Purge Time (h:m)**	0:21				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:10	200	22.62	7.20	0.527	1000	4.64	14.84	-145.8	Clear	--
11:13	200	22.75	7.32	0.529	782	4.64	15.04	-152.5	Clear	--
11:16	200	22.79	7.41	0.529	295	4.64	15.04	-157.5	Clear	--
11:19	200	22.90	7.44	0.528	159	4.65	14.88	-159.3	Clear	--
11:22	200	22.97	7.45	0.528	150	4.68	14.81	-159.3	Clear	--
11:25	200	23.10	7.45	0.529	148	4.59	14.76	-159.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: Mw-24-w-20220106 Sample Time: 11:28 Sample Depth (ft-bmp): 25

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-25	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 20	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.6	**Total Depth (ft-bmp)**	19.4	**Water Column (ft)**	5.80	**Gallons in Well**	0.94
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	14:13	**Well Volumes Purged**	0.84	**Sample ID**	MW-25-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	13:55	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	14:10	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:58	200	13.65	6.83	0.684	102	0.14	9.50	-30.5	Clear	--
14:01	200	13.65	6.84	0.683	89.0	0.18	9.20	-32.7	Clear	--
14:04	200	13.65	6.85	0.708	83.0	0.08	9.39	-34.3	Clear	--
14:07	200	13.65	6.85	0.708	82.0	0.08	9.33	-35.9	Clear	--
14:10	200	13.65	6.85	0.708	83.0	0.06	9.35	-36.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-25-W-20220106 Sample Time: 14:13 Sample Depth (ft-bmp): 16

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-26	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 20	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	13.05	**Total Depth (ft-bmp)**	20.02	**Water Column (ft)**	6.97	**Gallons in Well**	1.13
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	15:26	**Well Volumes Purged**	0.70	**Sample ID**	MW-26-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	15:08	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	15:23	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
15:11	200	13.19	6.76	0.437	18.0	0.03	9.40	-40.7	Clear	--
15:14	200	13.23	6.76	0.435	6.0	0.03	9.31	-39.2	Clear	--
15:17	200	13.26	6.77	0.437	5.0	0.03	9.29	-38.9	Clear	--
15:20	200	13.29	6.77	0.433	5.0	0.03	9.30	-39	Clear	--
15:23	200	13.31	6.78	0.439	5.0	0.03	9.35	-38.3	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-26-W-20220106 Sample Time: 15:26 Sample Depth (ft-bmp): 16

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-29	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	7.5 to 22.5	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	10.29	**Total Depth (ft-bmp)**	21.33	**Water Column (ft)**	11.04	**Gallons in Well**	1.79
Water Quality Meter Make/Model	YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	11:52	**Well Volumes Purged**	0.44	**Sample ID**	MW-29-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	11:36	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	11:51	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:39	200	10.29	6.40	0.214	52.0	2.20	9.86	-40.3	Clear	--
11:42	200	10.29	6.50	0.218	40.0	1.63	9.78	-1.7	Clear	--
11:45	200	10.29	6.37	0.219	28.0	1.49	9.72	3	Clear	--
11:48	200	10.29	6.39	0.220	27.0	1.48	9.69	5	Clear	--
11:51	200	10.29	6.40	0.221	26.0	1.43	9.68	2.9	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-29-W-20220106 Sample Time: 11:52 Sample Depth (ft-bmp): 17

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-4	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	9.7 to 19.4	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	16.3	**Total Depth (ft-bmp)**	19.79	**Water Column (ft)**	3.49	**Gallons in Well**	0.57
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	10:50	**Well Volumes Purged**	1.39	**Sample ID**	MW-4-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	10:32	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	10:47	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:35	200	17.25	6.76	0.153	21.0	0.02	11.01	-35.4	Clear	--
10:38	200	17.30	6.80	0.152	16.0	0.02	10.89	-36.1	Clear	--
10:41	200	17.45	6.74	0.155	12.0	0.02	10.69	-17	Clear	--
10:44	200	17.45	6.73	0.155	12.0	0.02	10.70	-16	Clear	--
10:47	200	17.45	6.73	0.155	12.0	0.02	10.71	-16.8	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-4-20220106 Sample Time: 10:50 Sample Depth (ft-bmp): 18

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-7	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6.5 to 16.5	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	--	**Total Depth (ft-bmp)**	--	**Water Column (ft)**	--	**Gallons in Well**	0
Water Quality Meter Make/Model	Hach 2100Q	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	14:16	**Well Volumes Purged**	--	**Sample ID**	MW-7-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	13:51	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	14:13	**Total Purge Time (h:m)**	0:22				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:01	200	13.51	7.21	0.520	33.0	3.01	11.34	-146.5	Clear	--
14:04	200	13.51	7.38	0.528	24.0	2.74	11.58	-157.8	Clear	--
14:10	200	13.51	7.60	0.531	14.0	2.49	11.73	-168.9	Clear	--
14:13	200	13.51	7.63	0.531	13.0	2.49	11.79	-170.4	Clear	--
14:14	200	13.51	7.66	0.530	13.0	2.49	11.77	-177.6	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-7-W-20220106 Sample Time: 14:16 Sample Depth (ft-bmp): 15

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064328	**Well ID**	MW-8A	**Date**	1/6/2022		
Site Location	Seattle, Washington	**Site ID**	1001327	**Weather (°F)**	Clear	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	12.4	**Total Depth (ft-bmp)**	24.45	**Water Column (ft)**	12.05	**Gallons in Well**	1.96
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	13:13	**Well Volumes Purged**	0.40	**Sample ID**	MW-8A-W-20220106	**Evacuation Equipment**	Peristaltic
Purge Start	12:55	**Gallons Purged**	0.79	**Duplicate ID**	BD-W-20220106		
Purge End	13:10	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:58	200	12.25	6.93	0.142	81.0	1.39	8.78	-17.5	Clear	--
13:01	200	12.25	6.90	0.139	53.0	1.42	8.75	-13.7	Clear	--
13:04	200	12.25	6.87	0.129	42.0	1.43	8.72	-11.1	Clear	--
13:07	200	12.25	6.86	0.129	40.0	1.45	8.70	-10.2	Clear	--
13:10	200	12.25	6.85	0.129	40.0	1.46	8.69	-10	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-8A-W-20220106 Sample Time: 13:13 Sample Depth (ft-bmp): 18

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Appendix B

January 2022 Groundwater Monitoring Laboratory Analytical Reports

ANALYTICAL REPORT

January 31, 2022

Arcadis - Chevron - WA

Sample Delivery Group:	L1450284
Samples Received:	01/12/2022
Project Number:	30064328.19.43
Description:	1001327
Site:	1602 N NORTHLAKE PL SEATTLE
Report To:	Sydney Clark 1100 Olive Way Suite 800 Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-4-W-20220106 L1450284-01 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 10:50 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:32	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 12:44	01/13/22 12:44	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 01:55	JNJ	Mt. Juliet, TN

MW-7-W-20220106 L1450284-02 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:16 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:35	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 13:04	01/13/22 13:04	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 02:15	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	5	01/12/22 18:09	01/13/22 13:36	LEA	Mt. Juliet, TN

MW-8-W-20220106 L1450284-03 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:13 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:43	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 14:47	01/13/22 14:47	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 02:35	JNJ	Mt. Juliet, TN

MW-11-W-20220106 L1450284-04 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:08 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 15:07	01/13/22 15:07	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 02:55	JNJ	Mt. Juliet, TN

MW-15-W-20220106 L1450284-05 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:12 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 15:28	01/13/22 15:28	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 03:15	JNJ	Mt. Juliet, TN

MW-19-W-20220106 L1450284-06 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:20 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:52	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 15:49	01/13/22 15:49	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 03:35	JNJ	Mt. Juliet, TN

MW-24-W-20220106 L1450284-07 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:28 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:55	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 16:09	01/13/22 16:09	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 03:55	JNJ	Mt. Juliet, TN

MW-20-W-20220106 L1450284-08 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:30 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:58	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 16:30	01/13/22 16:30	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 04:16	JNJ	Mt. Juliet, TN

MW-21-W-20220106 L1450284-09 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 12:48 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:01	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 16:50	01/13/22 16:50	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 04:36	JNJ	Mt. Juliet, TN

MW-22-W-20220106 L1450284-10 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:30 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:04	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 17:11	01/13/22 17:11	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 04:56	JNJ	Mt. Juliet, TN

MW-25-W-20220106 L1450284-11 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:13 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:07	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 17:32	01/13/22 17:32	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 05:16	JNJ	Mt. Juliet, TN

MW-26-W-20220106 L1450284-12 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:26 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:09	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 17:52	01/13/22 17:52	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 05:36	JNJ	Mt. Juliet, TN

MW-29-W-20220106 L1450284-13 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:52 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:18	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 18:13	01/13/22 18:13	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 05:56	JNJ	Mt. Juliet, TN

AGI-2-W-20220106 L1450284-14 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:43 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 19:15	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 18:33	01/13/22 18:33	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 06:16	JNJ	Mt. Juliet, TN

MLU-1-W-20220106 L1450284-15 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:10 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:21	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 18:54	01/13/22 18:54	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 06:36	JNJ	Mt. Juliet, TN

MLU-3-W-20220106 L1450284-16 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:58 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:24	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 19:14	01/13/22 19:14	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 06:56	JNJ	Mt. Juliet, TN

BD-W-20220106 L1450284-17 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 12:00 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:27	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 19:35	01/13/22 19:35	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 07:16	JNJ	Mt. Juliet, TN

EQB-W-20220106 L1450284-18 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 16:00 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1801460	1	01/14/22 08:41	01/18/22 20:30	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 19:55	01/13/22 19:55	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1801106	1	01/12/22 18:09	01/13/22 07:36	JNJ	Mt. Juliet, TN

TB-W-20220106 L1450284-19 GW

Collected by: AW / JD / TS
Collected date/time: 01/06/22 09:00
Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1801732	1	01/13/22 12:03	01/13/22 12:03	BMB	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:32	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:32	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 12:44	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 12:44	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 12:44	WG1801732
(S) Toluene-d8	*96.2*			*80.0-120*		*01/13/2022 12:44*	WG1801732
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*		*01/13/2022 12:44*	WG1801732
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*01/13/2022 12:44*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 01:55	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 01:55	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 01:55	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 01:55	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 01:55	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 01:55	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 01:55	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 01:55	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 01:55	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 01:55	WG1801106
(S) Nitrobenzene-d5	*104*			*31.0-160*		*01/13/2022 01:55*	WG1801106
(S) 2-Fluorobiphenyl	*95.0*			*48.0-148*		*01/13/2022 01:55*	WG1801106
(S) p-Terphenyl-d14	*110*			*37.0-146*		*01/13/2022 01:55*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	21.6		4.40	10.0	1	01/18/2022 19:35	WG1801460
Lead,Dissolved	4.00	J	2.99	6.00	1	01/18/2022 19:35	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	18.2		0.0941	1.00	1	01/13/2022 13:04	WG1801732
Toluene	2.89		0.278	1.00	1	01/13/2022 13:04	WG1801732
Ethylbenzene	33.5		0.137	1.00	1	01/13/2022 13:04	WG1801732
(S) Toluene-d8	*83.3*			*80.0-120*		*01/13/2022 13:04*	WG1801732
(S) 4-Bromofluorobenzene	*86.4*			*77.0-126*		*01/13/2022 13:04*	WG1801732
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*01/13/2022 13:04*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 02:15	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 02:15	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 02:15	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 02:15	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 02:15	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 02:15	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 02:15	WG1801106
Naphthalene	137		0.459	1.25	5	01/13/2022 13:36	WG1801106
1-Methylnaphthalene	32.4		0.0687	0.250	1	01/13/2022 02:15	WG1801106
2-Methylnaphthalene	52.9		0.0674	0.250	1	01/13/2022 02:15	WG1801106
(S) Nitrobenzene-d5	*113*			*31.0-160*		*01/13/2022 02:15*	WG1801106
(S) Nitrobenzene-d5	*101*			*31.0-160*		*01/13/2022 13:36*	WG1801106
(S) 2-Fluorobiphenyl	*75.5*			*48.0-148*		*01/13/2022 02:15*	WG1801106
(S) 2-Fluorobiphenyl	*79.0*			*48.0-148*		*01/13/2022 13:36*	WG1801106
(S) p-Terphenyl-d14	*82.5*			*37.0-146*		*01/13/2022 13:36*	WG1801106
(S) p-Terphenyl-d14	*90.5*			*37.0-146*		*01/13/2022 02:15*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:43	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:43	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 14:47	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 14:47	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 14:47	WG1801732
(S) Toluene-d8	*98.6*			*80.0-120*		*01/13/2022 14:47*	WG1801732
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*01/13/2022 14:47*	WG1801732
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*01/13/2022 14:47*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 02:35	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 02:35	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 02:35	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 02:35	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 02:35	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 02:35	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 02:35	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 02:35	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 02:35	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 02:35	WG1801106
(S) Nitrobenzene-d5	*107*			*31.0-160*		*01/13/2022 02:35*	WG1801106
(S) 2-Fluorobiphenyl	*95.5*			*48.0-148*		*01/13/2022 02:35*	WG1801106
(S) p-Terphenyl-d14	*108*			*37.0-146*		*01/13/2022 02:35*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	15.8		4.40	10.0	1	01/18/2022 19:46	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:46	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 15:07	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 15:07	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 15:07	WG1801732
(S) Toluene-d8	*92.3*			*80.0-120*		*01/13/2022 15:07*	WG1801732
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*01/13/2022 15:07*	WG1801732
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*01/13/2022 15:07*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 02:55	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 02:55	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 02:55	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 02:55	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 02:55	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 02:55	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 02:55	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 02:55	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 02:55	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 02:55	WG1801106
(S) Nitrobenzene-d5	*107*			*31.0-160*		*01/13/2022 02:55*	WG1801106
(S) 2-Fluorobiphenyl	*98.0*			*48.0-148*		*01/13/2022 02:55*	WG1801106
(S) p-Terphenyl-d14	*111*			*37.0-146*		*01/13/2022 02:55*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:49	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:49	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.294	J	0.0941	1.00	1	01/13/2022 15:28	WG1801732
Toluene	0.791	J	0.278	1.00	1	01/13/2022 15:28	WG1801732
Ethylbenzene	1.73		0.137	1.00	1	01/13/2022 15:28	WG1801732
(S) Toluene-d8	*91.4*			*80.0-120*		*01/13/2022 15:28*	WG1801732
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*		*01/13/2022 15:28*	WG1801732
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*01/13/2022 15:28*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 03:15	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 03:15	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 03:15	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 03:15	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 03:15	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 03:15	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 03:15	WG1801106
Naphthalene	5.15		0.0917	0.250	1	01/13/2022 03:15	WG1801106
1-Methylnaphthalene	7.69		0.0687	0.250	1	01/13/2022 03:15	WG1801106
2-Methylnaphthalene	3.41		0.0674	0.250	1	01/13/2022 03:15	WG1801106
(S) Nitrobenzene-d5	*79.5*			*31.0-160*		*01/13/2022 03:15*	WG1801106
(S) 2-Fluorobiphenyl	*64.0*			*48.0-148*		*01/13/2022 03:15*	WG1801106
(S) p-Terphenyl-d14	*71.5*			*37.0-146*		*01/13/2022 03:15*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:52	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:52	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 15:49	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 15:49	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 15:49	WG1801732
(S) Toluene-d8	*94.3*			*80.0-120*		*01/13/2022 15:49*	WG1801732
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*01/13/2022 15:49*	WG1801732
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*01/13/2022 15:49*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 03:35	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 03:35	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 03:35	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 03:35	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 03:35	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 03:35	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 03:35	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 03:35	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 03:35	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 03:35	WG1801106
(S) Nitrobenzene-d5	*93.5*			*31.0-160*		*01/13/2022 03:35*	WG1801106
(S) 2-Fluorobiphenyl	*84.5*			*48.0-148*		*01/13/2022 03:35*	WG1801106
(S) p-Terphenyl-d14	*95.5*			*37.0-146*		*01/13/2022 03:35*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:55	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:55	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 16:09	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 16:09	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 16:09	WG1801732
(S) Toluene-d8	*95.9*			*80.0-120*		*01/13/2022 16:09*	WG1801732
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*01/13/2022 16:09*	WG1801732
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*01/13/2022 16:09*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 03:55	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 03:55	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 03:55	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 03:55	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 03:55	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 03:55	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 03:55	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 03:55	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 03:55	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 03:55	WG1801106
(S) Nitrobenzene-d5	*101*			*31.0-160*		*01/13/2022 03:55*	WG1801106
(S) 2-Fluorobiphenyl	*90.0*			*48.0-148*		*01/13/2022 03:55*	WG1801106
(S) p-Terphenyl-d14	*103*			*37.0-146*		*01/13/2022 03:55*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 19:58	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 19:58	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 16:30	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 16:30	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 16:30	WG1801732
(S) Toluene-d8	*96.4*			*80.0-120*		*01/13/2022 16:30*	WG1801732
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*01/13/2022 16:30*	WG1801732
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*01/13/2022 16:30*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 04:16	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 04:16	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 04:16	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 04:16	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 04:16	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 04:16	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 04:16	WG1801106
Naphthalene	0.121	J	0.0917	0.250	1	01/13/2022 04:16	WG1801106
1-Methylnaphthalene	0.0973	J	0.0687	0.250	1	01/13/2022 04:16	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 04:16	WG1801106
(S) Nitrobenzene-d5	*109*			*31.0-160*		*01/13/2022 04:16*	WG1801106
(S) 2-Fluorobiphenyl	*98.5*			*48.0-148*		*01/13/2022 04:16*	WG1801106
(S) p-Terphenyl-d14	*113*			*37.0-146*		*01/13/2022 04:16*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	10.2		4.40	10.0	1	01/18/2022 20:01	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:01	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.433	J	0.0941	1.00	1	01/13/2022 16:50	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 16:50	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 16:50	WG1801732
(S) Toluene-d8	*92.2*			*80.0-120*		*01/13/2022 16:50*	WG1801732
(S) 4-Bromofluorobenzene	*89.5*			*77.0-126*		*01/13/2022 16:50*	WG1801732
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*01/13/2022 16:50*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 04:36	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 04:36	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 04:36	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 04:36	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 04:36	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 04:36	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 04:36	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 04:36	WG1801106
1-Methylnaphthalene	4.72		0.0687	0.250	1	01/13/2022 04:36	WG1801106
2-Methylnaphthalene	0.113	J	0.0674	0.250	1	01/13/2022 04:36	WG1801106
(S) Nitrobenzene-d5	*104*			*31.0-160*		*01/13/2022 04:36*	WG1801106
(S) 2-Fluorobiphenyl	*94.5*			*48.0-148*		*01/13/2022 04:36*	WG1801106
(S) p-Terphenyl-d14	*105*			*37.0-146*		*01/13/2022 04:36*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:04	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:04	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 17:11	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 17:11	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 17:11	WG1801732
(S) Toluene-d8	*92.4*			*80.0-120*		*01/13/2022 17:11*	WG1801732
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*01/13/2022 17:11*	WG1801732
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*01/13/2022 17:11*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 04:56	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 04:56	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 04:56	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 04:56	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 04:56	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 04:56	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 04:56	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 04:56	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 04:56	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 04:56	WG1801106
(S) Nitrobenzene-d5	*106*			*31.0-160*		*01/13/2022 04:56*	WG1801106
(S) 2-Fluorobiphenyl	*99.0*			*48.0-148*		*01/13/2022 04:56*	WG1801106
(S) p-Terphenyl-d14	*112*			*37.0-146*		*01/13/2022 04:56*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:07	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:07	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 17:32	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 17:32	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 17:32	WG1801732
(S) Toluene-d8	*98.1*			*80.0-120*		*01/13/2022 17:32*	WG1801732
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*01/13/2022 17:32*	WG1801732
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*01/13/2022 17:32*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 05:16	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 05:16	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 05:16	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 05:16	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 05:16	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 05:16	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 05:16	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 05:16	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 05:16	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 05:16	WG1801106
(S) Nitrobenzene-d5	*115*			*31.0-160*		*01/13/2022 05:16*	WG1801106
(S) 2-Fluorobiphenyl	*99.5*			*48.0-148*		*01/13/2022 05:16*	WG1801106
(S) p-Terphenyl-d14	*111*			*37.0-146*		*01/13/2022 05:16*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:09	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:09	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 17:52	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 17:52	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 17:52	WG1801732
(S) Toluene-d8	*93.2*			*80.0-120*		*01/13/2022 17:52*	WG1801732
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*01/13/2022 17:52*	WG1801732
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*01/13/2022 17:52*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 05:36	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 05:36	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 05:36	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 05:36	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 05:36	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 05:36	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 05:36	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 05:36	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 05:36	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 05:36	WG1801106
(S) Nitrobenzene-d5	*102*			*31.0-160*		*01/13/2022 05:36*	WG1801106
(S) 2-Fluorobiphenyl	*88.0*			*48.0-148*		*01/13/2022 05:36*	WG1801106
(S) p-Terphenyl-d14	*98.5*			*37.0-146*		*01/13/2022 05:36*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:18	WG1801460
Lead,Dissolved	3.19	J	2.99	6.00	1	01/18/2022 20:18	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 18:13	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 18:13	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 18:13	WG1801732
(S) Toluene-d8	*99.7*			*80.0-120*		*01/13/2022 18:13*	WG1801732
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*01/13/2022 18:13*	WG1801732
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*01/13/2022 18:13*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 05:56	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 05:56	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 05:56	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 05:56	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 05:56	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 05:56	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 05:56	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 05:56	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 05:56	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 05:56	WG1801106
(S) Nitrobenzene-d5	*109*			*31.0-160*		*01/13/2022 05:56*	WG1801106
(S) 2-Fluorobiphenyl	*94.5*			*48.0-148*		*01/13/2022 05:56*	WG1801106
(S) p-Terphenyl-d14	*111*			*37.0-146*		*01/13/2022 05:56*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	10.2		4.40	10.0	1	01/18/2022 19:15	WG1801460
Lead,Dissolved	3.34	J	2.99	6.00	1	01/18/2022 19:15	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	1.06		0.0941	1.00	1	01/13/2022 18:33	WG1801732
Toluene	0.615	J	0.278	1.00	1	01/13/2022 18:33	WG1801732
Ethylbenzene	4.99		0.137	1.00	1	01/13/2022 18:33	WG1801732
(S) Toluene-d8	*87.3*			*80.0-120*		*01/13/2022 18:33*	WG1801732
(S) 4-Bromofluorobenzene	*85.0*			*77.0-126*		*01/13/2022 18:33*	WG1801732
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*01/13/2022 18:33*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 06:16	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 06:16	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 06:16	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 06:16	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 06:16	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 06:16	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 06:16	WG1801106
Naphthalene	0.245	J	0.0917	0.250	1	01/13/2022 06:16	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 06:16	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 06:16	WG1801106
(S) Nitrobenzene-d5	*108*			*31.0-160*		*01/13/2022 06:16*	WG1801106
(S) 2-Fluorobiphenyl	*93.0*			*48.0-148*		*01/13/2022 06:16*	WG1801106
(S) p-Terphenyl-d14	*105*			*37.0-146*		*01/13/2022 06:16*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:21	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:21	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 18:54	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 18:54	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 18:54	WG1801732
(S) Toluene-d8	*96.0*			*80.0-120*		*01/13/2022 18:54*	WG1801732
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*		*01/13/2022 18:54*	WG1801732
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*01/13/2022 18:54*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 06:36	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 06:36	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 06:36	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 06:36	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 06:36	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 06:36	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 06:36	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 06:36	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 06:36	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 06:36	WG1801106
(S) Nitrobenzene-d5	*62.5*			*31.0-160*		*01/13/2022 06:36*	WG1801106
(S) 2-Fluorobiphenyl	*55.0*			*48.0-148*		*01/13/2022 06:36*	WG1801106
(S) p-Terphenyl-d14	*67.0*			*37.0-146*		*01/13/2022 06:36*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:24	WG1801460
Lead,Dissolved	5.78	J	2.99	6.00	1	01/18/2022 20:24	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 19:14	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 19:14	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 19:14	WG1801732
(S) Toluene-d8	*93.4*			*80.0-120*		*01/13/2022 19:14*	WG1801732
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*01/13/2022 19:14*	WG1801732
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*01/13/2022 19:14*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 06:56	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 06:56	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 06:56	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 06:56	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 06:56	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 06:56	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 06:56	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 06:56	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 06:56	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 06:56	WG1801106
(S) Nitrobenzene-d5	*114*			*31.0-160*		*01/13/2022 06:56*	WG1801106
(S) 2-Fluorobiphenyl	*103*			*48.0-148*		*01/13/2022 06:56*	WG1801106
(S) p-Terphenyl-d14	*118*			*37.0-146*		*01/13/2022 06:56*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:27	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:27	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 19:35	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 19:35	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 19:35	WG1801732
(S) Toluene-d8	*95.1*			*80.0-120*		*01/13/2022 19:35*	WG1801732
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*01/13/2022 19:35*	WG1801732
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*01/13/2022 19:35*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 07:16	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 07:16	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 07:16	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 07:16	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 07:16	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 07:16	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 07:16	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 07:16	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 07:16	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 07:16	WG1801106
(S) Nitrobenzene-d5	*96.5*			*31.0-160*		*01/13/2022 07:16*	WG1801106
(S) 2-Fluorobiphenyl	*87.0*			*48.0-148*		*01/13/2022 07:16*	WG1801106
(S) p-Terphenyl-d14	*104*			*37.0-146*		*01/13/2022 07:16*	WG1801106

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	U		4.40	10.0	1	01/18/2022 20:30	WG1801460
Lead,Dissolved	U		2.99	6.00	1	01/18/2022 20:30	WG1801460

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 19:55	WG1801732
Toluene	0.675	J	0.278	1.00	1	01/13/2022 19:55	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 19:55	WG1801732
(S) Toluene-d8	*94.4*			*80.0-120*		*01/13/2022 19:55*	WG1801732
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*		*01/13/2022 19:55*	WG1801732
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*01/13/2022 19:55*	WG1801732

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U		0.0203	0.0500	1	01/13/2022 07:36	WG1801106
Benzo(a)pyrene	U		0.0184	0.0500	1	01/13/2022 07:36	WG1801106
Benzo(b)fluoranthene	U		0.0168	0.0500	1	01/13/2022 07:36	WG1801106
Benzo(k)fluoranthene	U		0.0202	0.0500	1	01/13/2022 07:36	WG1801106
Chrysene	U		0.0179	0.0500	1	01/13/2022 07:36	WG1801106
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	01/13/2022 07:36	WG1801106
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	01/13/2022 07:36	WG1801106
Naphthalene	U		0.0917	0.250	1	01/13/2022 07:36	WG1801106
1-Methylnaphthalene	U		0.0687	0.250	1	01/13/2022 07:36	WG1801106
2-Methylnaphthalene	U		0.0674	0.250	1	01/13/2022 07:36	WG1801106
(S) Nitrobenzene-d5	*109*			*31.0-160*		*01/13/2022 07:36*	WG1801106
(S) 2-Fluorobiphenyl	*96.5*			*48.0-148*		*01/13/2022 07:36*	WG1801106
(S) p-Terphenyl-d14	*115*			*37.0-146*		*01/13/2022 07:36*	WG1801106

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2022 12:03	WG1801732
Toluene	U		0.278	1.00	1	01/13/2022 12:03	WG1801732
Ethylbenzene	U		0.137	1.00	1	01/13/2022 12:03	WG1801732
(S) Toluene-d8	*96.4*			*80.0-120*		*01/13/2022 12:03*	WG1801732
(S) 4-Bromofluorobenzene	*93.5*			*77.0-126*		*01/13/2022 12:03*	WG1801732
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*01/13/2022 12:03*	WG1801732

Method Blank (MB)

(MB) R3751126-1 01/18/22 19:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Arsenic,Dissolved	U		4.40	10.0
Lead,Dissolved	U		2.99	6.00

Laboratory Control Sample (LCS)

(LCS) R3751126-2 01/18/22 19:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Arsenic,Dissolved	1000	959	95.9	80.0-120	
Lead,Dissolved	1000	967	96.7	80.0-120	

L1450284-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1450284-14 01/18/22 19:15 • (MS) R3751126-4 01/18/22 19:20 • (MSD) R3751126-5 01/18/22 19:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Arsenic,Dissolved	1000	10.2	958	958	94.8	94.8	1	75.0-125			0.0400	20
Lead,Dissolved	1000	3.34	954	958	95.1	95.5	1	75.0-125			0.432	20

Method Blank (MB)

(MB) R3750434-2 01/13/22 11:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Toluene	U		0.278	1.00
(S) Toluene-d8	*93.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3750434-1 01/13/22 10:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.46	89.2	70.0-123	
Ethylbenzene	5.00	4.28	85.6	79.0-123	
Toluene	5.00	4.49	89.8	79.0-120	
(S) Toluene-d8			*93.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*93.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

L1450284-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1450284-14 01/13/22 18:33 • (MS) R3750434-3 01/13/22 20:16 • (MSD) R3750434-4 01/13/22 20:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	1.06	4.94	5.25	77.6	83.8	1	17.0-158			6.08	27
Ethylbenzene	5.00	4.99	8.59	8.48	72.0	69.8	1	30.0-155			1.29	27
Toluene	5.00	0.615	4.44	4.43	76.5	76.3	1	26.0-154			0.225	28
(S) Toluene-d8					*90.3*	*89.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*85.8*	*84.4*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*116*	*122*		*70.0-130*				

Method Blank (MB)

(MB) R3749673-3 01/13/22 00:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	*89.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*84.0*			*48.0-148*
(S) p-Terphenyl-d14	*96.0*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3749673-1 01/13/22 00:15 • (LCSD) R3749673-2 01/13/22 00:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	2.05	1.83	102	91.5	61.0-140			11.3	20
Benzo(a)pyrene	2.00	2.33	2.03	117	102	60.0-143			13.8	20
Benzo(b)fluoranthene	2.00	2.26	1.96	113	98.0	58.0-141			14.2	20
Benzo(k)fluoranthene	2.00	2.30	1.90	115	95.0	58.0-148			19.0	20
Chrysene	2.00	2.14	1.93	107	96.5	64.0-144			10.3	20
Dibenz(a,h)anthracene	2.00	1.98	1.79	99.0	89.5	52.0-155			10.1	20
Indeno(1,2,3-cd)pyrene	2.00	2.05	1.87	102	93.5	54.0-153			9.18	20
Naphthalene	2.00	2.06	1.88	103	94.0	61.0-137			9.14	20
1-Methylnaphthalene	2.00	2.04	1.92	102	96.0	66.0-142			6.06	20
2-Methylnaphthalene	2.00	2.16	1.97	108	98.5	62.0-136			9.20	20
(S) Nitrobenzene-d5				*117*	*101*	*31.0-160*				
(S) 2-Fluorobiphenyl				*109*	*99.0*	*48.0-148*				
(S) p-Terphenyl-d14				*114*	*106*	*37.0-146*				

Method Blank (MB)

(MB) R3752338-3 01/21/22 09:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	*119*			*31.0-160*
(S) 2-Fluorobiphenyl	*110*			*48.0-148*
(S) p-Terphenyl-d14	*113*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3752338-1 01/21/22 09:02 • (LCSD) R3752338-2 01/21/22 09:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.92	2.10	96.0	105	61.0-140			8.96	20
Benzo(a)pyrene	2.00	1.80	2.20	90.0	110	60.0-143			20.0	20
Benzo(b)fluoranthene	2.00	1.71	2.08	85.5	104	58.0-141			19.5	20
Benzo(k)fluoranthene	2.00	1.60	2.01	80.0	100	58.0-148		J3	22.7	20
Chrysene	2.00	1.89	2.19	94.5	109	64.0-144			14.7	20
Dibenz(a,h)anthracene	2.00	1.48	1.81	74.0	90.5	52.0-155		J3	20.1	20
Indeno(1,2,3-cd)pyrene	2.00	1.50	1.94	75.0	97.0	54.0-153		J3	25.6	20
Naphthalene	2.00	2.14	2.17	107	108	61.0-137			1.39	20
1-Methylnaphthalene	2.00	2.11	2.11	105	105	66.0-142			0.000	20
2-Methylnaphthalene	2.00	2.15	2.17	107	108	62.0-136			0.926	20
(S) Nitrobenzene-d5				*121*	*124*	*31.0-160*				
(S) 2-Fluorobiphenyl				*110*	*111*	*48.0-148*				
(S) p-Terphenyl-d14				*97.5*	*112*	*37.0-146*				

L1450284-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1450284-14 01/21/22 10:45 • (MS) R3752338-4 01/21/22 11:03 • (MSD) R3752338-5 01/21/22 11:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	4.00	U	4.09	1.94	102	97.0	1	47.0-151		J3	71.3	20
Benzo(a)pyrene	4.00	U	4.25	1.95	106	97.5	1	45.0-146		J3	74.2	20
Benzo(b)fluoranthene	4.00	U	3.89	1.77	97.3	88.5	1	43.0-142		J3	74.9	20
Benzo(k)fluoranthene	4.00	U	3.94	1.80	98.5	90.0	1	43.0-148		J3	74.6	21
Chrysene	4.00	U	4.21	1.96	105	98.0	1	50.0-148		J3	72.9	20
Dibenz(a,h)anthracene	4.00	U	3.57	1.51	89.2	75.5	1	37.0-151		J3	81.1	20
Indeno(1,2,3-cd)pyrene	4.00	U	3.88	1.67	97.0	83.5	1	41.0-148		J3	79.6	20
Naphthalene	4.00	0.426	4.28	2.48	96.3	103	1	10.0-160		J3	53.3	20
1-Methylnaphthalene	4.00	0.0783	4.14	2.04	102	98.1	1	21.0-160		J3	68.0	20
2-Methylnaphthalene	4.00	U	4.21	2.00	105	100	1	31.0-160		J3	71.2	20
(S) Nitrobenzene-d5					*114*	*116*		*31.0-160*				
(S) 2-Fluorobiphenyl					*104*	*99.5*		*48.0-148*				
(S) p-Terphenyl-d14					*105*	*99.5*		*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Sydney Clark

Email To:
sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description:
1001327

City/State Collected:

Please Circle: PT MT CT ET

Phone: **206-325-5254**

Client Project #
30064328.19.43

Lab Project #
CHEVARCWA-1001327

Collected by (print): Jonah D. Andrew Luser Tanner S.

Site/Facility ID #
1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-4-W-20220106	Grab	GW	—	1/6/22	1050	6	X	X	X		01
MW-7-W-20220106	Grab	GW	—	1/6/22	1416	6	X	X	X		02
MW-8W-20220106	Grab	GW	—	1/6/22	1313	6	X	X	X		03
MW-11-W-20220106	Grab	GW	—	1/6/22	1108	6	X	X	X		04
MW-15-W-20220106	Grab	GW	—	1/6/22	1512	6	X	X	X		05
MW-19-W-20220106	Grab	GW	—	1/6/22	1420	6	X	X	X		06
MW-24-W-20220106	Grab	GW	—	1/6/22	1128	6	X	X	X		07
MW-20-W-20220106	Grab	GW	—	1/6/22	1330	6	X	X	X		08
MW-21-W-20220106	Grab	GW	—	1/6/22	1248	6	X	X	X		09
MW-22-W-20220106	Grab	GW	—	1/6/22	1530	6	X	X	X		10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
			Shipped via Fedex	3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/12/22 Time: 1900	Hold: / Condition: NCF / OK

Chain of Custody Page 1 of 2

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SDG # L1456284

Table J037

Acctnum: **CHEVARCWA**

Template: **T201494**

Prelogin: **P896905**

PM: **110 - Brian Ford**

PB:

Shipped Via:

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Sydney Clark

Email To:
sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description:
1001327

City/State Collected:

Please Circle: PT MT CT ET

Phone: **206-325-5254**

Client Project #
30064328.19.43

Lab Project #
CHEVARCWA-1001327

Collected by (print): Brian D. Andrew Lusser Tanner S.

Site/Facility ID #
1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-25-W-20220106	Grab	GW	—	1/6/22	1413	6	X	X	X		11
MW-26-W-20220106	Grab	GW	—	1/6/22	1526	6	X	X	X		12
MW-29-W-20220106	Grab	GW	—	1/6/22	1152	6	X	X	X		13
AGI-2-W-20220106	Grab	GW	—	1/6/22	1143	6	X	X	X	MS/MSD	14
~~MW-W-2~~ MW-1-W-20220106	Grab	GW	—	1/6/22	1310	6	X	X	X		15
MW-3-W-20220106	Grab	GW	—	1/6/22	1458	6	X	X	X		16
BD-W-20220106	Grab	GW	—	1/6/22	1200	6	X	X	X		17
EQB-W-20220106	Grab	GW	—	1/6/22	1600	6	X	X	X		18
TB-W-20220106	Grab	GW	—	1/6/22	0700	3	X				19
		GW									

Chain of Custody Page 2 of 2

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SDG # L450284

Table #

Acctnum: **CHEVARCWA**

Template: **T201494**

Prelogin: **P896905**

PM: **110 - Brian Ford**

PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__UPS __FedEx __Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 1/6/22	Time:	Received by: (Signature) Shipped Via Fedex	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 12a
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/12/22 Time: 09a

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Tracking Numbers		Temperature
5217 3313 5331		1.1 to 1.1 ATBA
? . ? . ?		0.7 to 0.7 ATBA

ANALYTICAL REPORT

February 03, 2022

Arcadis - Chevron - WA

Sample Delivery Group:	L1457229
Samples Received:	01/12/2022
Project Number:	30064328.19.43
Description:	1001327
Site:	1602 N NORTHLAKE PL SEATTLE
Report To:	Sydney Clark 1100 Olive Way Suite 800 Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-4-W-20220106 L1457229-01 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 10:50 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:20	JPD	Mt. Juliet, TN

MW-7-W-20220106 L1457229-02 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:16 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:24	JPD	Mt. Juliet, TN

MW-8-W-20220106 L1457229-03 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:13 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:34	JPD	Mt. Juliet, TN

MW-11-W-20220106 L1457229-04 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:08 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:38	JPD	Mt. Juliet, TN

MW-15-W-20220106 L1457229-05 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:12 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:41	JPD	Mt. Juliet, TN

MW-19-W-20220106 L1457229-06 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:20 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:45	JPD	Mt. Juliet, TN

MW-24-W-20220106 L1457229-07 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:28 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:48	JPD	Mt. Juliet, TN

MW-20-W-20220106 L1457229-08 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:30 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:52	JPD	Mt. Juliet, TN

MW-21-W-20220106 L1457229-09 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 12:48 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:55	JPD	Mt. Juliet, TN

MW-22-W-20220106 L1457229-10 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:30 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:58	JPD	Mt. Juliet, TN

MW-25-W-20220106 L1457229-11 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:13 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:02	JPD	Mt. Juliet, TN

MW-26-W-20220106 L1457229-12 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 15:26 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:13	JPD	Mt. Juliet, TN

MW-29-W-20220106 L1457229-13 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:52 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:16	JPD	Mt. Juliet, TN

AGI-2-W-20220106 L1457229-14 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 11:43 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 15:00	JPD	Mt. Juliet, TN

MLU-1-W-20220106 L1457229-15 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 13:10 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:20	JPD	Mt. Juliet, TN

MLU-3-W-20220106 L1457229-16 GW

Collected by: AW / JD / TS | Collected date/time: 01/06/22 14:58 | Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:23	JPD	Mt. Juliet, TN

BD-W-20220106 L1457229-17 GW

Collected by: AW / JD / TS
Collected date/time: 01/06/22 12:00
Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:27	JPD	Mt. Juliet, TN

EQB-W-20220106 L1457229-18 GW

Collected by: AW / JD / TS
Collected date/time: 01/06/22 16:00
Received date/time: 01/12/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1812447	1	02/03/22 11:04	02/03/22 16:30	JPD	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.765	B J	0.180	2.00	1	02/03/2022 15:20	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:20	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	27.3		0.180	2.00	1	02/03/2022 15:24	WG1812447
Lead,Dissolved	1.47	J	0.849	2.00	1	02/03/2022 15:24	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.33	B J	0.180	2.00	1	02/03/2022 15:34	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:34	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	13.5		0.180	2.00	1	02/03/2022 15:38	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:38	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.99	B J	0.180	2.00	1	02/03/2022 15:41	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:41	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.12	B J	0.180	2.00	1	02/03/2022 15:45	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:45	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.61	B J	0.180	2.00	1	02/03/2022 15:48	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:48	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	3.17	B	0.180	2.00	1	02/03/2022 15:52	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:52	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	11.9		0.180	2.00	1	02/03/2022 15:55	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:55	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	2.60	B	0.180	2.00	1	02/03/2022 15:58	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:58	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	3.35	B	0.180	2.00	1	02/03/2022 16:02	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:02	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.22	B J	0.180	2.00	1	02/03/2022 16:13	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:13	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.671	B J	0.180	2.00	1	02/03/2022 16:16	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:16	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	10.2	O1	0.180	2.00	1	02/03/2022 15:00	WG1812447
Lead,Dissolved	2.03		0.849	2.00	1	02/03/2022 15:00	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.06	B J	0.180	2.00	1	02/03/2022 16:20	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:20	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	1.19	B J	0.180	2.00	1	02/03/2022 16:23	WG1812447
Lead,Dissolved	5.45		0.849	2.00	1	02/03/2022 16:23	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.892	B J	0.180	2.00	1	02/03/2022 16:27	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:27	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.945	B J	0.180	2.00	1	02/03/2022 16:30	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:30	WG1812447

Method Blank (MB)

(MB) R3756673-1 02/03/22 14:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic,Dissolved	0.712	J	0.180	2.00
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R3756673-2 02/03/22 14:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	50.0	50.6	101	80.0-120	
Lead,Dissolved	50.0	51.4	103	80.0-120	

L1457229-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1457229-14 02/03/22 15:00 • (MS) R3756673-4 02/03/22 15:07 • (MSD) R3756673-5 02/03/22 15:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	50.0	10.2	59.9	59.7	99.3	99.1	1	75.0-125			0.197	20
Lead,Dissolved	50.0	2.03	51.5	53.1	99.0	102	1	75.0-125			3.04	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle, WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: Sydney Clark

Email To: sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description: 1001327

City/State Collected:

Please Circle: PT MT CT ET

Phone: 206-325-5254

Client Project # 30064328.19.43

Lab Project # CHEVARCWA-1001327

Collected by (print): Andrew Lusa Jonas S.

Site/Facility ID # 1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NaPres-WT								Remarks	Sample # (lab only)
MW-4-U-20220106	Grab	GW	—	1/6/22	1050	6	X	X	X									01
MW-7-U-20220106	Grab	GW	—	1/6/22	1416	6	X	X	X									02
MW-8U-20220106	Grab	GW	—	1/6/22	1313	6	X	X	X									03
MW-11-U-20220106	Grab	GW	—	1/6/22	1109	6	X	X	X									04
MW-15-U-20220106	Grab	GW	—	1/6/22	1512	6	X	X	X									05
MW-19-U-20220106	Grab	GW	—	1/6/22	1420	6	X	X	X									06
MW-24-U-20220106	Grab	GW	—	1/6/22	1128	6	X	X	X									07
MW-20-U-20220106	Grab	GW	—	1/6/22	1330	6	X	X	X									08
MW-21-U-20220106	Grab	GW	—	1/6/22	1248	6	X	X	X									09
MW-22-U-20220106	Grab	GW	—	1/6/22	1530	6	X	X	X									10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) Shipped via Fedex

Relinquished by: (Signature) | Date: | Time: | Received by: (Signature)

Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeOH
TBR

Temp: °C Bottles Received: 12

Date: 1/12/22 Time: 1900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page 1 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1456284

Table

J037
LIN57229

Acctnum: CHEVARCWA

Template: T201494

Prelogin: P896905

PM: 110 - Brian Ford

PB:

Shipped Via:

AV 2/2/22

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Sydney Clark**

Email To: sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description: **1001327**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **206-325-5254**

Client Project # **30064328.19.43**

Lab Project # **CHEVARCWA-1001327**

Collected by (print): Brian D. Andrew Lusser Tanner S.

Site/Facility ID # **1602 N NORTHLAKE PL**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-25-U-20220106	Grab	GW	—	1/6/22	1143	6	X	X	X		11
MW-26-U-20220106	Grab	GW	—	1/6/22	1526	6	X	X	X		12
MW-29-U-20220106	Grab	GW	—	1/6/22	1152	6	X	X	X		13
AGI-2-U-20220106	Grab	GW	—	1/6/22	1143	18	X	X	X	MS/MSD	14
~~MW-2~~ MW-1-U-20220106	Grab	GW	—	1/6/22	1310	6	X	X	X		15
MW-3-U-20220106	Grab	GW	—	1/6/22	1458	6	X	X	X		16
BD-U-20220106	Grab	GW	—	1/6/22	1200	6	X	X	X		17
EQB-U-20220106	Grab	GW	—	1/6/22	1600	6	X	X	X		18
TB-U-20220106	Grab	GW	—	1/6/22	0700	3	X				~~19~~
		GW									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) No HCL / MeoH TBR
	1/6/22		Shipped Via Fedex	3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 12a
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/12/22 Time: 09a

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1450227

Table # L1457229

Acctnum: CHEVARCWA

Template: T201494

Prelogin: P896905

PM: 110 - Brian Ford

PB:

Shipped Via:

L1450284 CHEVARCWA re-log

R3/R4/RX/EX

Please re-log all samples (except -19) as EX due 02/09 for ASDG,PBDG.

Time estimate: oh **Time spent:** oh

Members

Brian Ford

ARCADIS Design & Consultancy for natural and built assets

CHEVRON

DATA REVIEW

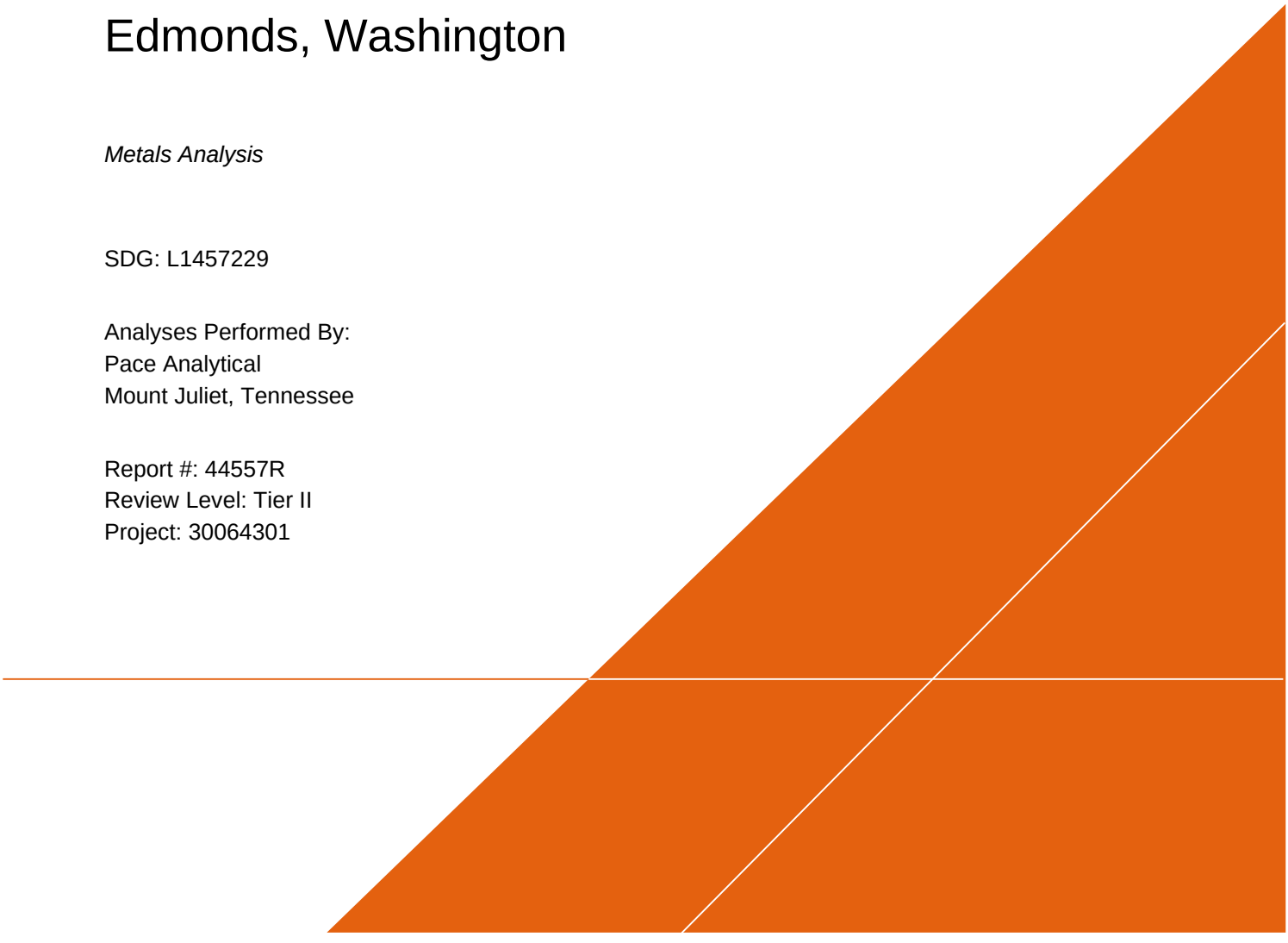
Edmonds Terminal
Edmonds, Washington

Metals Analysis

SDG: L1457229

Analyses Performed By:
Pace Analytical
Mount Juliet, Tennessee

Report #: 44557R
Review Level: Tier II
Project: 30064301



SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) L1457229 for samples collected in association with the Edmonds Terminal site in, Edmonds, Washington. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data as reported by the laboratory were reviewed for this validation. Included with this assessment are the validation annotated sample result sheets, and chain-of-custody records (COCs). Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis					
					VOC	PAH	TPHg	TPHd	Metals	Misc.
MW-4-W-20220106	L1457229-01	Water	1/6/2022						X	
MW-7-W-20220106	L1457229-02	Water	1/6/2022						X	
MW-8-W-20220106	L1457229-03	Water	1/6/2022						X	
MW-11-W-20220106	L1457229-04	Water	1/6/2022						X	
MW-15-W-20220106	L1457229-05	Water	1/6/2022						X	
MW-19-W-20220106	L1457229-06	Water	1/6/2022						X	
MW-24-W-20220106	L1457229-07	Water	1/6/2022						X	
MW-20-W-20220106	L1457229-08	Water	1/6/2022						X	
MW-21-W-20220106	L1457229-09	Water	1/6/2022						X	
MW-22-W-20220106	L1457229-10	Water	1/6/2022						X	
MW-25-W-20220106	L1457229-11	Water	1/6/2022						X	
MW-26-W-20220106	L1457229-12	Water	1/6/2022						X	
MW-29-W-20220106	L1457229-13	Water	1/6/2022						X	
AGI-2-W-20220106	L1457229-14	Water	1/6/2022						X	
MLU-1-W-20220106	L1457229-15	Water	1/6/2022						X	
MLU-3-W-20220106	L1457229-16	Water	1/6/2022						X	
BD-W-20220106	L1457229-17	Water	1/6/2022	MW-29-W-20220106					X	
EQB-W-20220106	L1457229-18	Water	1/6/2022						X	

Note: As specified on the COCs, sample AGI-2-W-20220106 was used in the MS/MSD analysis.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of quality assurance (QA) or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6020B. Data were reviewed in accordance with *USEPA National Functional Guidelines (NFG) for Inorganic Analyses* (October 2004).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

  J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).

- Quantitation (Q) Qualifiers

  E The reported value is estimated due to the presence of interference.

  N Spiked sample recovery is not within the control limits.

  * Duplicate analysis is not within the control limits.

- Validation Qualifiers

  J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

  UB Analyte considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

METALS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020B	Water	180 days from collection to analysis	Cool to < 6 °C; pH < 2 with HNO_3
	Soil	180 days from collection to analysis	Cool to < 6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Dissolved arsenic was detected in the laboratory method blank and the equipment rinse blank at concentrations less than the reporting limit (RL). Sample results less than the BAL were qualified as documented in the following table.

Sample	Analyte	Sample Result	Qualification
MW-4-W-20220106 MW-8-W-20220106 MW-15-W-20220106 MW-19-W-20220106 MW-24-W-20220106 MW-26-W-20220106 MW-29-W-20220106 MLU-1-W-20220106 MLU-3-W-20220106 BD-W-20220106	Dissolved Arsenic	Detected sample results < RL and < BAL	"UB" at the RL
MW-20-W-20220106 MW-22-W-20220106 MW-25-W-20220106	Dissolved Arsenic	Detected sample results > RL and < BAL	"UB" at detected sample concentration

3. Matrix Spike/Matrix Spike Duplicate (MS/MSD) / Laboratory Duplicate Sample Analysis

MS/MSD and laboratory duplicate sample data are used to assess the precision and accuracy of the analytical method.

3.1 MS/MSD Analysis

All metal analytes must exhibit recoveries within the established acceptance limits of 75% to 125%. When MSDs are analyzed, the relative percent difference (RPD) between the MS and MSD results must be no greater than the established acceptance limit of 20% for water matrices and 35% for soil matrices. The

MS/MSD control limits do not apply for MS/MSDs performed on samples where the analyte's concentration detected in the parent sample exceeds the MS/MSD spiking concentration by a factor of four or greater. In instance where this is true, the data will not be qualified and any laboratory qualifier (N) will be removed. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

Sample AGI-2-W-20220106 was used in the MS/MSD analysis. The MS/MSD analyss exhibited acceptable results.

3.2 Laboratory Duplicate Sample Analysis

The laboratory duplicate sample relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied to the difference between the results for water matrices or two times the RL for soil matrices.

The laboratory duplicate sample analysis was not performed on a sample from this SDG.

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit recoveries between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

5. Field Duplicate Sample Analysis

The field duplicate sample analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 20% for water matrices and 35% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the case where the parent and duplicate sample concentrations are less than five times the reporting limit (RL), a control limit of one times the RL for water matrices and two times the RL for soil matrices is applied to the difference between the results.

Results for the field duplicate samples are summarized in the following table.

Sample and Field Duplicate Sample: MW-29-W-20220106 and BD-W-20220106						
Analyte	Sample Result	Duplicate Result	RPD	Difference	RL	Evaluation
Dissolved Arsenic	2.0 UB	2.0 UB	N/A	N/A	2.0	Acceptable
Dissolved Lead	2.0 U	2.0 U	N/A	N/A	2.0	Acceptable

Note: N/A = Not applicable

The field duplicate sample analysis exhibited acceptable results.

6. Serial Dilution (SD) Analysis

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated

with the same sample analyzed with a five-fold dilution.

Sample AGI-2-W-20220106 was used in the serial dilution analysis. All analytes associated with the serial dilution analyses exhibited acceptable %Ds except as presented in the following table.

Sample	Analyte	Serial Dilution (%D)
AGI-2-W-20220106	Dissolved Arsenic	> 10 %

The criteria used to evaluate the serial dilution are presented in the following table. In the case of a serial dilution deviation, the sample results are qualified as documented in the table below. The qualifications are applied to all sample results associated with the analytical batch.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR METALS

Metals: SW-846 6020B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks	X				X
B. Method Blanks		X	X		
C. Equipment and/or Field Blanks		X	X		
Matrix Spike (MS) Accuracy (%R)		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD RPD	X				X
Laboratory Duplicate Sample RPD	X				X
Field Duplicate Sample RPD		X		X	
ICP Serial Dilution %D	X		X		
Total vs. Dissolved	X				X
Dilution Factor		X		X	
Soil Moisture Content	X				X

Notes:
%R = Percent recovery
RPD = Relative percent difference
%D = Percent difference

Validation Performed By: Dennis Dyke

Signature: 

Date: February 17, 2022

CHAIN OF CUSTODY AND CORRECTED SAMPLE ANALYSIS DATA SHEETS

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle, WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: Sydney Clark

Email To: sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description: 1001327

City/State Collected:

Please Circle: PT MT CT ET

Phone: 206-325-5254

Client Project # 30064328.19.43

Lab Project # CHEVARCWA-1001327

Collected by (print): Andrew Lusa Jonas S.

Site/Facility ID # 1602 N NORTHLAKE PL

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NaPres-WT								Remarks	Sample # (lab only)
MW-4-U-20220106	Grab	GW	—	1/6/22	1050	6	X	X	X									01
MW-7-U-20220106	Grab	GW	—	1/6/22	1416	6	X	X	X									02
MW-8U-20220106	Grab	GW	—	1/6/22	1313	6	X	X	X									03
MW-11-U-20220106	Grab	GW	—	1/6/22	1109	6	X	X	X									04
MW-15-U-20220106	Grab	GW	—	1/6/22	1512	6	X	X	X									05
MW-19-U-20220106	Grab	GW	—	1/6/22	1420	6	X	X	X									06
MW-24-U-20220106	Grab	GW	—	1/6/22	1128	6	X	X	X									07
MW-20-U-20220106	Grab	GW	—	1/6/22	1330	6	X	X	X									08
MW-21-U-20220106	Grab	GW	—	1/6/22	1248	6	X	X	X									09
MW-22-U-20220106	Grab	GW	—	1/6/22	1530	6	X	X	X									10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) Shipped via Fedex

Relinquished by: (Signature) | Date: | Time: | Received by: (Signature)

Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeOH
TBR

Temp: °C Bottles Received: 12

Date: 1/12/22 Time: 1900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page 1 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1456284

Table

J037
LIN57229

Acctnum: CHEVARCWA

Template: T201494

Prelogin: P896905

PM: 110 - Brian Ford

PB:

Shipped Via:

AV 2/2/22

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Sydney Clark**

Email To: sydney.clark@arcadis.com;stephen.ahlquist@ar

Project Description: **1001327**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **206-325-5254**

Client Project # **30064328.19.43**

Lab Project # **CHEVARCWA-1001327**

Collected by (print): Brian D. Andrew Lusser Tanner S.

Site/Facility ID # **1602 N NORTHLAKE PL**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTE 8260D 40mlAmb-HCl	FF Diss As Pb 6010 250mlHDPE HNO3	cPAHs 8270ESIM 40mlAmb-NoPres-WT	Remarks	Sample # (lab only)
MW-25-U-20220106	Grab	GW	—	1/6/22	1143	6	X	X	X		11
MW-26-U-20220106	Grab	GW	—	1/6/22	1526	6	X	X	X		12
MW-29-U-20220106	Grab	GW	—	1/6/22	1152	6	X	X	X		13
AGI-2-U-20220106	Grab	GW	—	1/6/22	1143	18	X	X	X	MS/MSD	14
~~MW-2~~ MW-1-U-20220106	Grab	GW	—	1/6/22	1310	6	X	X	X		15
MW-3-U-20220106	Grab	GW	—	1/6/22	1458	6	X	X	X		16
BD-U-20220106	Grab	GW	—	1/6/22	1200	6	X	X	X		17
EQB-U-20220106	Grab	GW	—	1/6/22	1600	6	X	X	X		18
TB-U-20220106	Grab	GW	—	1/6/22	0700	3	X				~~19~~
		GW									

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) No HCL / MeoH TBR
	1/6/22		Shipped Via Fedex	3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 12a
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/12/22 Time: 09a

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1450227

Table # L1457229

Acctnum: CHEVARCWA

Template: T201494

Prelogin: P896905

PM: 110 - Brian Ford

PB:

Shipped Via:

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~0.765~~	~~B J~~	0.180	2.00	1	02/03/2022 15:20	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:20	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	27.3	J	0.180	2.00	1	02/03/2022 15:24	WG1812447
Lead,Dissolved	1.47	J	0.849	2.00	1	02/03/2022 15:24	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	<2.00 UB ~~1.33~~	~~B J~~	0.180	2.00	1	02/03/2022 15:34	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:34	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	13.5	J	0.180	2.00	1	02/03/2022 15:38	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:38	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~1.99~~	~~B J~~	0.180	2.00	1	02/03/2022 15:41	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:41	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~1.12~~	~~B J~~	0.180	2.00	1	02/03/2022 15:45	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:45	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~1.61~~	~~B J~~	0.180	2.00	1	02/03/2022 15:48	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:48	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	~~3.17~~ <3.17 UB	~~B~~	0.180	~~2.00~~ 3.17	1	02/03/2022 15:52	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:52	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	11.9	J	0.180	2.00	1	02/03/2022 15:55	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:55	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.60 UB ~~2.60~~	~~B~~	0.180	~~2.00~~ 2.60	1	02/03/2022 15:58	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 15:58	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<3.35 UB ~~3.35~~	~~B~~	0.180	~~2.00~~ 3.35	1	02/03/2022 16:02	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:02	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~1.22~~	~~B J~~	0.180	2.00	1	02/03/2022 16:13	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:13	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~0.671~~	~~B J~~	0.180	2.00	1	02/03/2022 16:16	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:16	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Arsenic,Dissolved	10.2	J	Q1	0.180	2.00	1	02/03/2022 15:00	WG1812447
Lead,Dissolved	2.03			0.849	2.00	1	02/03/2022 15:00	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~1.06~~	~~B J~~	0.180	2.00	1	02/03/2022 16:20	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:20	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	~~1.19~~ <2.00 UB	~~B J~~	0.180	2.00	1	02/03/2022 16:23	WG1812447
Lead,Dissolved	5.45		0.849	2.00	1	02/03/2022 16:23	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	<2.00 UB ~~0.892~~	~~B J~~	0.180	2.00	1	02/03/2022 16:27	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:27	WG1812447

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic,Dissolved	0.945	B J	0.180	2.00	1	02/03/2022 16:30	WG1812447
Lead,Dissolved	U		0.849	2.00	1	02/03/2022 16:30	WG1812447

Appendix C

Historical Groundwater Analytical Results

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-3	North Yard		08/11/99	ND	168	4	21	--	3	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	5.34	4.39
MW-3	North Yard		10/21/99	ND	149	<3.25	<5.9	--	0.54[3]	0.0044[4]	0.0008[4]	0.0062[4]	0.0034[4]	0.0028[4]	0.0063[4]	0.0057[4]	--	--
MW-3	North Yard		10/22/99	ND	149	<2.30	<4.00	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		08/10/99	ND	<1.00	<1.00	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-4	South Yard		07/26/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-4	South Yard		10/11/02	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		12/31/02	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		02/27/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		03/26/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		04/28/03	ND	<0.500	0.536	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		05/30/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		06/25/03	ND	<0.500	<0.500	<0.500	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-4	South Yard		09/16/03	ND	<0.500	<0.500	<0.500	--	<1.00	0.0241	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-4	South Yard		12/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<1.0	<1.0
MW-4	South Yard		03/25/04	ND	<0.500	<0.500	<0.500	--	<0.119	0.0137	<0.0119	<0.0119	<0.0119	0.0131	<0.0119	<0.0119	<1.0	<1.0
MW-4	South Yard		03/21/07	ND	0.59	<0.500	<0.500	--	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MW-4	South Yard		03/25/08	ND	<0.5	1.2	<0.5	--	0.022	0.030	0.0250	0.031	0.014	0.028	<0.0099	0.019	<0.70	1.4
MW-4	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<1.0	0.15	0.1500	0.14	0.079	0.13	<0.011	<0.011	<0.95	<0.050
MW-4	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-4	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	0.012	0.013	0.014	<0.0098	0.0120	<0.0098	<0.0098	<0.95	<0.050
MW-4	South Yard		03/15/10	ND	0.6	<0.5	<0.5	--	<1.0	0.041	0.052	0.069	0.0270	0.0480	<0.0099	0.016	<0.95	<0.050
MW-4	South Yard		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	0.48	0.68	0.43	0.4300	0.5300	0.0650	0.43	<0.95	<0.052
MW-4	South Yard		09/25/11	ND	0.5	<0.2	<0.2	--	<1.0	<0.012	<0.012	0.012	<0.012	<0.012	<0.012	<0.012	<0.95	0.09
MW-4	South Yard		10/10/11	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard		06/21/12	ND	--	--	--	--	--	0.032	0.037	0.039	0.018	0.0350	<0.010	0.013	--	--
MW-4	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard		09/21/12	ND	<0.5	<0.5	<0.5	--	<0.030	--	--	--	--	--	--	--	--	--
MW-4	South Yard		09/26/12	ND	--	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-4	South Yard	Field Filtered	09/26/12	ND	--	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.40	<0.034
MW-4	South Yard		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-4	South Yard		04/22/13	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-4	South Yard	Field Filtered	04/22/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	<0.050
MW-4	South Yard	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.07	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-4	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-4	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.067	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-4	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	0.75
MW-4	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	0.058	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-4	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-4	South Yard	[11]	12/06/17	ND	<0.5	<0.5	<0.5	--	0.052	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	0.21
MW-4	South Yard	[11]	06/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	11/28/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	0.03 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-4	South Yard	[11]	12/18/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	14.5	<0.073
MW-4	South Yard	[11]	06/11/20	ND	<0.20	<0.20	<0.40	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-4	South Yard		11/11/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-4	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.298 J	<0.849
MW-4	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-7	South Yard		08/10/99	ND	683	491	2,550	--	673	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	3.71	4.64
MW-7	South Yard		10/20/99	ND	172	80	177	--	--	0.0028[4]	0.0038[4]	0.0043[4]	0.0025[4]	0.0061[4]	0.0079[4]	--	--	--
MW-7	South Yard		07/26/01	ND	162	59	314	--	149	--	--	--	--	--	--	--	--	--
MW-7	South Yard		04/03/02	ND	58	22	346	--	96	--	--	--	--	--	--	--	--	--
MW-7	South Yard		07/02/02	ND	46.9	10	158	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		09/03/02	ND	42	22	153	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		09/03/02	ND	88.8	37	498	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		10/11/02	ND	41.4	16	145	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		03/26/03	ND	10.1	16	108	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		04/28/03	ND	31.5	36	664	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		05/30/03	ND	7.34	12	106	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		06/25/03	ND	16.4	27	446	--	35	<0.0100	<0.0100	<0.0100	0.900 (Q-20)	<0.0100	<0.0100	<0.0100	--	--
MW-7	South Yard		09/16/03	ND	< 50.0	79	1,190	--	583	--	--	--	--	--	--	--	--	--
MW-7	South Yard		12/15/03	ND	25.9	45	1,470	--	550	--	--	--	--	--	--	--	--	--
MW-7	South Yard	[5]	03/15/10	ND	27	4.9	230	--	490	0.14[6]	0.12[6]	0.21[6]	0.16[6]	0.18[6]	0.013[6]	0.041[2]	1.5	1.1
MW-7	South Yard		09/15/10	ND	38	6.0	270	--	570	0.3000	0.5000	0.4200	0.3600	0.3800	0.0730	0.3900	2.5	1.7
MW-7	South Yard		03/14/11	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		06/21/12	ND	--	--	--	--	--	0.011	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-7	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-7	South Yard		09/20/12	ND	46	6.9	120	--	530	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-7	South Yard	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	6.1	1.6
MW-7	South Yard	Field Filtered	12/26/12	ND	34	6.0	240	--	--	--	--	--	--	--	--	--	--	--
MW-7	South Yard		04/22/13	ND	31	4.5	82	--	340	0.019	<0.010	0.0110	<0.010	<0.010	0.012	0.016	--	--
MW-7	South Yard	Field Filtered	04/22/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	5.3	0.85
MW-7	South Yard	Field Filtered [11]	06/11/14	ND	33	4	65	--	160	<0.010	<0.010	<0.010	<0.010	0.0130	<0.010	<0.010	6.2	1.7
MW-7	South Yard	[11]	11/11/15	ND	62	6.5	120	--	310	0.028	0.029	0.043	0.018	0.041	<0.010	0.026	10.3	1.4
MW-7	South Yard	[11]	04/18/16	ND	30	4.7	54	--	210	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	6.5	1.3
MW-7	South Yard	DUP [11]	04/18/16	ND	30	4.9	55	--	200	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	6.6	1.4
MW-7	South Yard	[11]	12/07/16	ND	38	<0.5	90	--	370	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	6.2	1.2
MW-7	South Yard	DUP [11]	12/07/16	ND	37	4.4	81	--	230	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	5.8	1.3
MW-7	South Yard		06/21/17	ND	28	5.7	70	--	66	0.016	<0.011	0.013	0.011	0.019	<0.011	<0.011	--	--
MW-7	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	64	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	15.1	0.62
MW-7	South Yard	[11]	12/06/17	ND	33	5.9	72	--	190	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	13.0	1.2
MW-7	South Yard	[11]	06/27/18	ND	30	4.5	51	--	200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	11.6	<1.1
MW-7	South Yard	[11]	11/28/18	ND	34	4.6	47	--	170	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	9.2	<1.1
MW-7	South Yard	[11]	06/21/19	ND	33	3.6	36	--	120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	9.6	<1.1
MW-7	South Yard	[11]	12/18/19	ND	39	4	74	--	42	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	6.3	0.51 J
MW-7	South Yard	[11]	06/11/20	ND	24	2.6	37	--	150	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	7	0.36 J
MW-7	South Yard		11/11/20	ND	31	3.4	55	--	80	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	8.5	0.92
MW-7	South Yard		06/28/21	ND	23.3	2.36	35.9		193	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	1.95 J	1.03 J
MW-7	**South Yard**		**01/06/22**	**ND**	**18.2**	**2.89**	**33.5**		**137**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**27.3 J**	**1.47 J**

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-8	South Yard		08/09/99	ND	186	15	39	--	9	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	1.21
MW-8	South Yard		10/20/99	ND	31.4	2.47	2.97	--	0.35[3]	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.00813	<0.0081	--	--
MW-8	South Yard		01/06/00	ND	710	27	304	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		04/12/00	ND	28.2	1.72	4.16	--	2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-8	South Yard		06/27/00	ND	29.5	1.47	3.09	--	<1.00	--	--	--	--	--	--	--	<1.0	<1.0
MW-8	South Yard		09/28/00	ND	20.3	1.23	1.39	--	4	--	--	--	--	--	--	--	3.10	<1.0
MW-8	South Yard		01/15/01	ND	17.7	2.14	12.3	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		06/21/01	ND	197	<10.0	26.7	--	<10.0	--	--	--	--	--	--	--	--	--
MW-8	South Yard		07/26/01	ND	157	7.03	42.5	--	7	--	--	--	--	--	--	--	--	--
MW-8	South Yard		07/26/01	ND	147	7.07	42.2	--	6	--	--	--	--	--	--	--	--	--
MW-8	South Yard		03/19/02	ND	1,450	22.0	166	--	32	--	--	--	--	--	--	--	--	--
MW-8	South Yard		03/19/02	ND	1,430	21.7	169	--	30	--	--	--	--	--	--	--	--	--
MW-8	South Yard		04/03/02	ND	1,000	22.3	199	--	37	--	--	--	--	--	--	--	--	--
MW-8	South Yard		04/03/02	ND	1,030	21.9	213	--	37	--	--	--	--	--	--	--	--	--
MW-8	South Yard		05/07/02	ND	472	13.7	152	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		06/06/02	ND	476	14.1	80	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		07/02/02	ND	291	14.0	59	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		09/03/02	ND	284	11.3	82	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		10/11/02	ND	238	18.0	152	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		12/31/02	ND	165	16.3	261	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		12/31/02	ND	192	16.1	141	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		03/26/03	ND	767	23.2	156	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		04/28/03	ND	683	20.8	125	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		05/30/03	ND	467	15.4	75.4	--	--	--	--	--	--	--	--	--	--	--
MW-8	South Yard		06/25/03	ND	305	17.4	89.7	--	--	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-8	South Yard		09/15/03	ND	159	36.1	634	--	7.94	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		12/15/03	ND	14.8	2.46	37.7	--	168	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		03/25/04	ND	12.0	1.33	2.54	--	0.27	0.0650	0.0454	0.0299	0.0531	0.0568	0.0274	0.0419	2.49	<1.0
MW-8A	South Yard		09/23/04	ND	14.8	0.76	2.00	--	0.32	<0.01	0.0220	<0.01	<0.01	0.0315	<0.01	<0.01	1.2	<1.0
MW-8A	South Yard	DUP	09/23/04	ND	13.3	0.67	1.75	--	0.32	0.110	0.102	0.0980	0.120	0.104	0.0656	0.0937	1.11	<1.0
MW-8A	South Yard		03/14/05	ND	8.3	1.72	4.54	--	3.61	0.0234	0.0135	0.0123	0.0209	0.0164	<0.01	0.0137	5.2	<1.0
MW-8A	South Yard		03/29/06	ND	<0.500	<0.500	<0.500	--	<1.0	<0.00952	<0.00952	0.0281	<0.00952	<0.00952	<0.00952	<0.00952	<1.0	<1.0
MW-8A	South Yard		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MW-8A	South Yard		03/25/08	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0096	<0.0096	0.010	<0.0096	<0.0096	<0.0096	<0.0096	0.92	2.0
MW-8A	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<1.0	0.017	0.018	0.031	<0.0099	0.028	<0.0099	0.021	1.1	<0.050
MW-8A	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	<0.050
MW-8A	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	0.012	0.017	0.035	0.011	0.021	<0.0098	0.022	<0.95	0.059
MW-8A	South Yard		03/15/10	ND	<0.5	<0.5	<0.5	--	1	0.036	0.062	0.14	0.099	0.079	0.011	0.040	<0.95	0.062
MW-8A	South Yard		09/15/10	ND	<0.5	<0.5	3	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	2.8	<0.052
MW-8A	South Yard		11/16/11	ND	<0.2	<0.2	<0.2	--	<1.0	0.016	0.02	0.029	0.011	0.028	<0.0095	0.02	0.99	<0.080
MW-8A	South Yard		06/21/12	ND	--	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-8A	South Yard	DUP	06/21/12	ND	--	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-8A	South Yard	Field Filtered	06/21/12	ND	--	--	--	--		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard		09/20/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-8A	South Yard	Field Filtered	09/21/12	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	4.9	0.13
MW-8A	South Yard		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-8A	South Yard		04/23/13	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard	Field Filtered	04/23/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	<0.047
MW-8A	South Yard	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.062	<0.011	<0.010	0.012	0.011	<0.010	<0.010	<0.010	<0.78	0.59
MW-8A	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.64
MW-8A	South Yard	DUP [11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	0.018	<0.010	<0.010	<0.010	<0.010	<0.54	0.73
MW-8A	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.88
MW-8A	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	0.046	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MW-8A	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	0.035	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-8A	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	1.8	<0.11
MW-8A	South Yard	DUP	06/21/17	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-8A	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	2.2	<0.11
MW-8A	South Yard	[11]	12/05/17	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	0.41
MW-8A	South Yard	DUP [11]	12/05/17	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	0.42
MW-8A	South Yard	[11]	06/27/18	ND	1.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.6	<1.1
MW-8A	South Yard	DUP [11]	06/27/18	ND	1.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.8	<1.1
MW-8A	South Yard	[11]	11/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-8A	South Yard	DUP [11]	11/27/18	ND	<0.5	<0.5	<0.5	--	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-8A	South Yard	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	0.05 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.9	<1.1
MW-8A	South Yard	DUP [11]	06/21/19	ND	<0.5	<0.5	<0.5	--	0.04 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.4	<1.1
MW-8A	South Yard	[11]	12/17/19	ND	<0.2	<0.2	<0.4	--	<0.03	0.02 J	0.01 J	0.01 J	<0.01	0.01 J	<0.02	<0.01	<0.70	0.13 J
MW-8A	South Yard	DUP [11]	12/17/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	0.076 J
MW-8A	South Yard	[11]	06/10/20	ND	<0.20	<0.20	<0.40	--	0.12	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	0.83 J	0.23 J
MW-8A	South Yard	DUP [11]	06/10/20	ND	<0.20	<0.20	<0.40	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	**0.92 J**	0.29 J
MW-8A	South Yard		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.66
MW-8A	South Yard	DUP	11/10/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.88
MW-8A	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	0.0994 J	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.548 J	1.67 J
MW-8A	South Yard	DUP	06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.569 J	<0.849
MW-8A	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**	**--**	**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-8A	**South Yard**	**DUP**	**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**	**--**	**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-9	ROW		08/11/99	ND	<20.0	<20.0	46.7	--	129	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	4.33	<1.0
MW-9	ROW		10/21/99	ND	<0.800	<0.500	20.5	--	110[3]	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083[3]	<0.0083	17	0.94
MW-9	ROW		06/27/01	LNAPL	<5.00	<5.00	52.6	--	109	--	--	--	--	--	--	--	--	--
MW-9	ROW		03/25/04	LNAPL	6.71	2.56	39.5		168	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12.9	<1.0
MW-9	ROW		09/08-09/08	LNAPL	20	<10[7]	16	--	37	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[8]	<0.10[1]	9.5	0.58
MW-9	ROW		12/11/08	LNAPL	<20[8]	<50[8]	35	62	--	--	--	--	--	--	--	--	--	--
MW-9	ROW		03/30-31/09	ND	--	--	--	--	50	<0.0098	<0.0098	0.025	<0.0098	<0.0098	<0.0098	<0.0098	7.7	0.33
MW-9	ROW		09/10-11/09	ND	<10[9]	<10[9]	16	--	36	0.15	<0.098[8]	0.41	0.10	0.56	<0.098[8]	<0.098[1]	8.0	1.1
MW-10	North Yard		08/11/99	ND	226	292	625	--	121	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	4.21
MW-10	North Yard		10/21/99	ND	431	455	838	--	--	<0.008	<0.008	<0.008	<0.008	0.00333	<0.008[4]	<0.008[4]	--	--
MW-10	North Yard		04/12/00	ND	662	542	749	--	105	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-10	North Yard		06/27/00	ND	325	168	136	--	64.5	--	--	--	--	--	--	--	8.61	21.2
MW-10	North Yard		09/28/00	ND	437	339	291	--	32.7	--	--	--	--	--	--	--	3.39	22

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-10	North Yard		01/15/01	ND	352	266	137	--	63.6	--	--	--	--	--	--	--	--	--
MW-10	North Yard		01/15/01	ND	315	234	117	--	33.9	--	--	--	--	--	--	--	--	--
MW-10	North Yard		06/27/01	ND	591	328	295	--	79.5	--	--	--	--	--	--	--	--	--
MW-10	North Yard		06/27/01	ND	1,090	765	936	--	262	--	--	--	--	--	--	--	--	--
MW-10	North Yard		03/18/02	ND	1,190	1,010	976	--	130	--	--	--	--	--	--	--	--	--
MW-10	North Yard		07/02/02	ND	844	742	871	--	--	--	--	--	--	--	--	--	--	--
MW-10	North Yard		03/15/10	ND	1,200	250	980	--	110	0.10[6]	0.054[6]	0.046[6]	0.059[6]	0.18[6]	<0.0099[6]	<0.0099[6]	3.8	10.9
MW-10	North Yard		09/15/10	Sheen	970	180	920	--	130	0.52	0.17	0.3	<0.096	1.2	<0.096	<0.096	4.9	9.3
MW-11	ROW		08/11/99	ND	<1.00	<1.00	<1.00	--	<1.01	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.03	<1.0
MW-11	ROW		10/22/99	ND	<0.500	<0.500	<0.500	--	<0.0082	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081[3]	<0.0081[3]	--	--
MW-11	ROW		06/21/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		03/18/02	ND	1.18	2.77	2.57	--	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		09/16/03	ND	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
MW-11	ROW		12/15/03	ND	<0.500	<0.500	<0.500	--	2.21	0.0734	<0.0100	0.0632	0.0341	<0.0100	0.0878	0.0857	3.72	<1.0
MW-11	ROW		03/25/04	ND	<0.500	<0.500	<0.500	--	<0.101	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	3.06	<1.0
MW-11	ROW		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.01	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	19.4	<1.0
MW-11	ROW		03/25/08	ND	<0.5	<0.5	<0.5	--	0.060	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	19.0	1.1
MW-11	ROW		03/25/08	ND	<0.5	<0.5	<0.5	--	0.058	0.012	<0.0096	0.010	<0.0096	0.013	<0.0096	<0.0096	16.9	1.4
MW-11	ROW		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<1.0	<0.011	<0.011	0.011	<0.011	0.012	<0.011	<0.011	16.5	<0.050
MW-11	ROW		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	19.2	<0.050
MW-11	ROW		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	0.024	0.034	0.04	0.016	0.036	<0.0098	0.019	29.7	<0.050
MW-11	ROW		03/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0099	0.011	0.016	0.010	0.013	<0.0099	<0.0099	13.4	<0.050
MW-11	ROW		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	0.013	0.017	0.018	0.012	0.02	<0.010	0.018	16.6	<0.052
MW-11	ROW	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.07	0.028	0.02	0.025	0.024	0.033	0.019	0.02	8.4	<0.085
MW-11	**ROW**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**13.5 J**	**<2.00**
MW-12	North Yard		08/11/99	ND	1,590	218	466	--	87.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	7.01	17.6
MW-12	North Yard		10/21/99	ND	491	1200	230	--	6.8[6]	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083	<0.0083[3]	<0.0083	--	--
MW-12	North Yard		03/25/04	ND	510	294	454	--	98.5	--	--	--	--	--	--	--	--	--
MW-12	North Yard		09/08-09/08	ND	530	130	230	--	65	0.017[6]	0.010[6]	<0.0099[6]	<0.0099[6]	0.039[6]	<0.0099[6]	<0.0099[6]	6.4	1.8
MW-12	North Yard		03/30-31/09	LNAPL	750	640	270	--	170	0.014	<0.0098	0.012	<0.0098	0.028	<0.0098	<0.0098	4.8	2.8
MW-12	North Yard		09/10-11/09	LNAPL	510	140	180	--	44	0.11	<0.097[8]	<0.097[8]	<0.097[8]	0.22	<0.097[8]	<0.097[8]	5.5	1.6
MW-12	North Yard		03/15/10	ND	630	260	250	--	110	0.025[6]	0.015[6]	0.012[6]	0.018[6]	0.045[6]	<0.010[6]	<0.010[6]	4.6	3.4
MW-12	North Yard		09/15/10	Sheen	490	130	230	--	67	0.086[6]	0.028[6]	0.053[6]	0.011[6]	0.18[6]	<0.0096[6]	0.014[6]	6.4	2.2
MW-14	ROW		07/26/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-14	ROW	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.049	0.011	<0.010	0.014	0.012	0.012	<0.010	0.011	<0.78	<0.085
MW-15	ROW		08/10/99	ND	3.28	2.89	35.4	--	12.5	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.1	<1.0
MW-15	ROW		10/20/99	ND	6.92	57.1	47.7	--	1.4[6]	<0.0081	<0.0081	0.00153	<0.0081	<0.0081	<0.0081	<0.0081	--	--
MW-15	ROW		07/26/01	ND	13.8	9.00	18.1	--	10.30	--	--	--	--	--	--	--	--	--
MW-15	ROW		03/18/02	ND	<1.00	1.49	2.46	--	<1.01	--	--	--	--	--	--	--	--	--
MW-15	ROW		06/26/03	ND	0.719	<0.500	0.612	--	--	--	--	--	--	--	--	--	--	--
MW-15	ROW		09/16/03	ND	2.85	30.6	39.6	--	42.2	--	--	--	--	--	--	--	--	--
MW-15	ROW	[11]	06/11/14	ND	<3.0	0.6	2	--	0.29	0.02	0.02	0.03	0.03	0.02	0.02	0.02	5.60	0.40
MW-15	**ROW**		**01/06/22**	**ND**	**0.294 J**	**0.791 J**	**1.73**		**0.245 J**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-16	Offsite		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<1.00	<1.00

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-19	ROW		08/11/99	ND	<1.00	<1.00	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-19	ROW		10/20/99	ND	<0.500	<0.500	<0.500	--	<0.021	0.016	0.013	0.016	0.00743	0.015	0.00233	0.011	--	--
MW-19	ROW		06/21/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-19	ROW		06/26/03	ND	<0.500	<0.500	<0.500	--	<0.100	0.264	0.282	0.174	0.118	0.179	0.155	0.189	--	--
MW-19	ROW		09/16/03	ND	<0.500	<0.500	<0.500	--	<1.00	0.171	0.185	0.197	0.0894	0.191	0.0977	0.147	--	--
MW-19	ROW		12/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	0.524	0.479	0.374	0.376	0.474	0.154	0.484	5.27	<1.0
MW-19	ROW		03/26/04	ND	<0.500	<0.500	<0.500	--	0.197	0.209	0.168	0.128	0.127	0.182	0.0433	0.107	2.86	<1.0
MW-19	ROW		03/26/04	ND	<0.500	<0.500	<0.500	--	0.112	0.170	0.137	0.0967	0.106	0.150	0.0363	0.0882	2.28	<1.0
MW-19	ROW		09/23/04	ND	<0.500	<0.500	<0.500	--	<1.00	0.613	0.390	0.317	0.562	0.530	0.145	0.350	4.24	2.93
MW-19	ROW		03/14/05	ND	<0.500	<0.500	<0.500	--	<0.100	0.151	0.111	0.080	0.125	0.126	0.0233	0.076	1.71	<1.0
MW-19	ROW		03/14/05	ND	<0.500	<0.500	<0.500	--	<0.100	0.155	0.109	0.085	0.135	0.131	0.0265	0.085	2.19	<1.0
MW-19	ROW		03/29/06	ND	<0.500	<0.500	<0.500	--	<1.00	0.093	0.076	0.066	0.0775	0.087	0.0348	0.063	3.76	<1.0
MW-19	ROW		03/29/06	ND	<0.500	<0.500	<0.500	--	<1.00	0.042	0.030	0.041	0.0327	0.032	0.0195	0.033	3.47	<1.0
MW-19	ROW		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	0.151	0.121	0.0874	0.139	0.153	0.0417	0.0927	<1.0	<1.0
MW-19	ROW		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	0.154	0.131	0.0896	0.126	0.160	0.0374	0.0894	<1.0	<1.0
MW-19	ROW		03/25/08	ND	<0.5	<0.5	<0.5	--	0.026	0.046	0.039	0.049	0.021	0.042	<0.0097	0.027	1.30	12.9
MW-19	ROW		03/25/08	ND	<0.5	<0.5	<0.5	--	0.023	0.36	0.31	0.35	0.15	0.34	0.053	0.19	0.92	3.5
MW-19	ROW		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<5.03	0.40	0.54	0.46	0.26	0.41	0.077	0.28	<0.95	0.62
MW-19	ROW		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	0.42
MW-19	ROW		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	0.071	0.084	0.099	0.037	0.081	0.012	0.041	<0.95	1.1
MW-19	ROW		03/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	0.24	0.30	0.32	0.15	0.29	0.046	0.18	0.98	0.41
MW-19	ROW		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	0.61	0.91	0.55	0.57	0.66	0.1	0.59	1.8	0.12
MW-19	ROW		11/16/11	ND	<0.2	<0.2	<0.2	--	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.95	<0.080
MW-19	ROW		06/21/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW	Field Filtered	06/21/12	ND	--	--	--	--		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW		09/20/12	ND	<0.5	<0.5	<0.5	--	0.083	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	--	--
MW-19	ROW	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.41	<0.034
MW-19	ROW		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-19	ROW		04/24/13	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-19	ROW	Field Filtered	04/24/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.42	0.13
MW-19	ROW	[11]	06/10/14	ND	<0.5	<0.5	<0.5	--	<0.051	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	0.16
MW-19	ROW	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.81	<0.13
MW-19	ROW	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.044	0.015	0.036	0.045	0.041	0.020	0.049	0.049	0.69	0.22
MW-19	ROW	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MW-19	ROW		06/21/17	ND	<0.5	<0.5	<0.5	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-19	ROW	Field Filtered	06/21/17	ND	--	--	--	--	<0.034	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-19	ROW	[11]	12/05/17	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	1.50	0.15
MW-19	ROW	[11]	06/26/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	11/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-19	ROW	[11]	12/17/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
MW-19	ROW	[11]	06/10/20	ND	<0.20	<0.20	<0.40	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	0.13 J
MW-19	ROW		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.034	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-19	ROW		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	<0.849

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-19	**ROW**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-20	ROW		08/11/99	ND	57.7	2.19	148	--	82.1	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.08	<1.0
MW-20	ROW		10/20/99	ND	71.8	5.69	184	--	25[3]	.0012[4]	.00082[4]	.0016[4]	0.0011[4]	.00088[4]	<0.008[4]	<0.008	--	--
MW-20	ROW		09/28/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	3.1	<1.0
MW-20	ROW		06/21/01	ND	1.66	<1.00	2.68	--	<1.00	--	--	--	--	--	--	--	--	--
MW-20	ROW		03/19/02	ND	<1.00	<1.00	3.48	--	1.77	--	--	--	--	--	--	--	--	--
MW-20	ROW		03/19/02	ND	<1.00	<1.00	3.3	--	2.21	--	--	--	--	--	--	--	--	--
MW-20	ROW		06/26/03	ND	26.5	2.28	61.0	--	20.9[6]	0.375(I-02)	<0.0100	<0.0100	0.154(I-02)	<0.0100	<0.0100	<0.0100	--	--
MW-20	ROW		09/16/03	ND	28.9	3.04	35.7	--	12.5	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-20	ROW		12/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	4.36	<1.0
MW-20	ROW		03/26/04	ND	0.877	<0.500	0.731	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	2.53	<1.0
MW-20	ROW		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	2.34	<1.0
MW-20	ROW		03/25/08	ND	0.5	<0.5	<0.5	--	0.019	0.012	<0.0099	0.015	<0.0099	<0.0099	<0.0099	<0.0099	3.2	0.63
MW-20	ROW		09/08-09/08	ND	7.0	1.7	1.2	--	<5.0[4]	--	--	--	--	--	--	--	--	--
MW-20	ROW		09/10-11/09	ND	1.4	0.8	1.1	--	<5.0[10]	0.014	0.017	0.022	<0.010	0.013	<0.010	0.016	2.4	0.053
MW-20	ROW		03/15/10	ND	<0.5	<0.5	<0.5	--	2.1	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	0.011	1.3	0.10
MW-20	ROW		09/15/10	ND	1.60	1.00	1.20	--	4.5	0.011	0.018	0.014	0.011	0.012	<0.0095	0.02	5.2	<0.052
MW-20	ROW		11/16/11	ND	1.50	0.90	0.80	--	8.40	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	4.50	<0.080
MW-20	ROW	DUP	11/16/11	ND	1.40	0.80	0.60		8.90	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	4.70	<0.080
MW-20	ROW		06/21/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-20	ROW	Field Filtered	09/20/12	ND	3.20	1.30	1.40	--	0.47	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	11.9	<0.034
MW-20	ROW		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-20	ROW		04/23/13	ND	<0.5	<0.5	<0.5	--	0.04	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-20	ROW	Field Filtered	04/23/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	1.4	<0.073
MW-20	ROW	[11]	06/10/14	ND	7.20	0.90	1.40	--	0.099	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	4.1	0.14
MW-20	ROW	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	3.2	<0.13
MW-20	ROW	[11]	04/18/16	ND	<0.5	<0.5	0.6	--	0.098	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	3.5	<0.13
MW-20	ROW	[11]	12/07/16	ND	0.5	<0.5	0.8	--	0.14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	4.7	<0.090
MW-20	ROW		06/21/17	ND	0.7	<0.5	0.8	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-20	ROW	Field Filtered	06/21/17	ND	--	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	2.6	<0.11
MW-20	ROW	[11]	12/05/17	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	4.6	<0.11
MW-20	ROW	[11]	06/27/18	ND	0.7	0.8	1.1	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	3.0	<1.1
MW-20	ROW	[11]	11/27/18	ND	<0.5	<0.5	1	--	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	3.5	<1.1
MW-20	ROW	[11]	06/21/19	ND	<0.5	0.9 J	0.7 J	--	1.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.2	<1.1
MW-20	ROW	[11]	12/17/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.7	<0.073
MW-20	ROW	[11]	06/10/20	ND	<0.20	0.95 J	<0.40	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	1.1 J	<0.073
MW-20	ROW		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	2.3	<0.073
MW-20	ROW		06/28/21	ND	0.117 J	0.386 J	0.203 J	--	2.22	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.766 J	0.953 J
MW-20	**ROW**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<3.17 J**	**<2.00**
MW-21	ROW		08/10/99	ND	12.1	1.93	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	13.8	<1.0
MW-21	ROW		10/19/99	ND	9.69	1.49	<0.750	--	--	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078[4]	<0.0078	--	--
MW-21	ROW		06/21/01	ND	2.46	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--

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Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-21	ROW		06/21/01	ND	2.70	<1.00	<1.00	--	1.76	--	--	--	--	--	--	--	--	--
MW-21	ROW		03/18/02	ND	10.5	1.25	<1.00	--	4.09	--	--	--	--	--	--	--	--	--
MW-21	ROW		06/26/03	ND	5.82	0.687	0.850	--	1.37	0.569	<0.0100	0.646	<0.0100	<0.0100	3.06	2.35	--	--
MW-21	ROW		09/16/03	ND	5.43	0.86	<0.500	--	7.01	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-21	ROW		12/15/03	ND	4.95	0.88	<0.500	--	12.4	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	12.6	<1.0
MW-21	ROW		03/26/04	ND	5.28	0.854	<0.500	--	10.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	15.2	<1.0
MW-21	ROW		09/23/04	ND	5.45	0.806	<0.500	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	14.6	<1.0
MW-21	ROW		03/14/05	ND	4.55	0.693	<0.500	--	3.57	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	16.8	<1.0
MW-21	ROW		03/29/06	ND	4.19	0.800	<0.500	--	4.01	<0.00952	<0.00957	<0.00958	<0.00956	<0.00953	<0.00954	<0.00955	16.4	<1.0
MW-21	ROW		03/21/07	ND	4.31	0.860	<0.500	--	6.06	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	<0.0485	16.2	<1.0
MW-21	ROW		03/25/08	ND	4.4	0.6	<0.5	--	12	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	14.6	0.33
MW-21	ROW		09/08-09/08	ND	6.0	0.6	<0.5	--	18	0.011	0.022	0.017	0.012	0.012	<0.010	0.020	<0.95	0.058
MW-21	ROW		03/30-31/09	ND	6.0	0.8	0.6	--	15	<0.10	<0.10	<0.10	<0.10	0.018	<0.10	<0.10	11.1	<0.050
MW-21	ROW		09/10-11/09	ND	5.1	0.7	<0.5	--	<15[10]	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	9.9	0.11
MW-21	ROW		03/15/10	ND	3.6	0.6	<0.5	--	<20[10]	0.013	0.046	0.045	0.038	0.039	4	0.080	8.5	<0.050
MW-21	ROW		09/15/10	ND	2.50	0.50	<0.5	--	11.00	0.011	<0.0098	<0.0098	<0.0098	0.021	<0.0098	<0.0098	8.7	<0.052
MW-21	ROW		09/24/11	ND	<0.2	<0.2	<0.2	--	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	1.60	<0.08
MW-21	ROW		10/10/11	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-21	ROW		06/21/12	ND	--	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-21	ROW	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-21	ROW		09/20/12	ND	<7.0	0.7	<0.5	--	0.84	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-21	ROW	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	15.5	0.052
MW-21	ROW	DUP	12/26/12	ND	2.7	0.6	0.5	--	--	--	--	--	--	--	--	--	--	--
MW-21	ROW		12/26/12	ND	2.7	0.6	0.6	--	--	--	--	--	--	--	--	--	--	--
MW-21	ROW		04/23/13	ND	11.0	0.8	0.9	--	1.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-21	ROW	Field Filtered	04/23/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	11.6	<0.047
MW-21	ROW	[11]	06/11/14	ND	<6.0	0.70	0.50	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	13.6	<0.085
MW-21	ROW	[11]	11/11/15	ND	0.5	<0.5	<0.5	--	3.1	0.012	0.012	0.016	0.015	0.013	0.016	0.017	13.0	<0.13
MW-21	ROW	[11]	04/18/16	ND	19	0.8	<0.5	--	0.088	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	18.5	<0.13
MW-21	ROW	[11]	12/07/16	ND	8.8	0.9	0.6	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	18.0	<0.090
MW-21	ROW		06/21/17	ND	6.6	0.6	<0.5	--	<0.035	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	--	--
MW-21	ROW	Field Filtered	06/21/17	ND	--	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	16.1	<0.11
MW-21	ROW	[11]	12/05/17	ND	<0.5	0.6	0.6	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	16.1	<0.11
MW-21	ROW	[11]	06/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	16.2	<1.1
MW-21	ROW	[11]	11/28/18	ND	<0.5	0.5	0.6	--	0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	16.0	<1.1
MW-21	ROW	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	15.7	<1.1
MW-21	ROW	[11]	12/17/19	ND	<0.2	0.3 J	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	15.8	0.074 J
MW-21	ROW	[11]	06/10/20	ND	<0.20	0.24 J	<0.40	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	15.0	<0.073
MW-21	ROW		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	18	<0.073
MW-21	ROW		06/28/21	ND	0.108 J	0.303 J	<0.137	--	1.33	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	8.4	<0.849
MW-21	**ROW**		**01/06/22**	**ND**	**0.433 J**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**11.9 J**	**<2.00**
MW-22	ROW		08/10/99	ND	1,140	44.9	93.5	--	7.56	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.66	<1.0
MW-22	ROW		10/22/99	ND	1,680	109	191	--	--	.0017[4]	0.0013[4]	0.0024[4]	0.0012[4]	0.002[4]	<0.0079[4]	0.0015[4]	--	--
MW-22	ROW		01/06/00	ND	1,410	46.8	105	--	--	--	--	--	--	--	--	--	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-22	ROW		01/15/01	ND	2,040	161	254	--	19.2	--	--	--	--	--	--	--	--	--
MW-22	ROW		06/21/01	ND	1,710	64.8	144	--	<50.0	--	--	--	--	--	--	--	--	--
MW-22	ROW		03/18/02	ND	1,920	85.5	242	--	21.3	--	--	--	--	--	--	--	--	--
MW-22	ROW		07/02/02	ND	2,000	84.9	288	--	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		09/03/02	ND	2,020	66.8	312	--	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/31/02	ND	2,360	159	385	--	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		06/25/03	ND	1,950	84.4	273	--	--	--	--	--	--	--	--	--	--	--
MW-22	ROW		09/16/03	ND	2,590	189	425	--	<50.0	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/17/03	ND	1,250	52.9	188	--	15.8	--	--	--	--	--	--	--	--	--
MW-22	ROW		12/17/03	ND	1,920	59	207	--	18.5	--	--	--	--	--	--	--	--	--
MW-22	ROW		03/25/04	ND	1,630	35.4	208	--	14.9	--	--	--	--	--	--	--	--	--
MW-22	ROW		03/21/07	ND	840	54.5	117	--	20.8	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	4.15	<1.0
MW-22	ROW		03/25/08	ND	730	31	90	--	5.5	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	3.5	0.12
MW-22	ROW		09/08-09/08	ND	880	46	130	--	14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	6.4	<0.050
MW-22	ROW		03/30-31/09	ND	830	37	98	--	7.3	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	3.6	<0.050
MW-22	ROW		09/10-11/09	ND	1,100	42	130	--	10	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	3.9	0.45
MW-22	ROW		03/15/10	ND	720	25	70	--	5.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	4.8	<0.050
MW-22	ROW		09/15/10	ND	820	50	100	--	6.9	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	5.7	<0.052
MW-22	ROW	[11]	06/11/14	ND	780	45	67	--	1.3	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	2.5	<0.085
MW-22	**ROW**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-24	North Yard		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.00	<1.00
MW-24	North Yard	[11]	06/10/14	ND	<0.5	<0.5	<0.5	--	0.06	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-24	**North Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-25	South Yard		08/09/99	ND	<1.00	<1.00	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.42	3.71
MW-25	South Yard		10/19/99	ND	<0.500	<0.500	<0.500	--	<0.023	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079[4]	<0.0079	--	--
MW-25	South Yard		01/06/00	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		07/27/00	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		07/26/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		03/19/02	ND	2.06	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-25	South Yard		07/02/02	ND	28.4	11.5	2.85	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		09/03/02	ND	68.0	0.810	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		10/11/02	ND	61	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		12/31/02	ND	0.557	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		03/26/03	ND	3.20	0.617	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		04/28/03	ND	15.5	1.64	1.56	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		05/30/03	ND	21.8	0.872	2.69	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		06/25/03	ND	9.06	0.545	1.33	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-25	South Yard		09/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-25	South Yard		12/15/03	ND	<0.500	<0.500	<0.500	--	1.76	0.064	0.0628	<0.0100	<0.0100	0.0448	< 0.0100	0.0608	17.6	<1.0
MW-25	South Yard		03/25/04	ND	<0.500	<0.500	<0.500	--	<0.100	0.0142	<0.0100	<0.0100	0.0117	0.0151	<0.0100	<0.0100	10.1	<1.0
MW-25	South Yard		09/22/04	ND	<0.500	<0.500	<0.500	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	3.97	<1.0
MW-25	South Yard		03/14/05	ND	<0.500	<0.500	<0.500	--	<0.100	0.014	0.012	0.013	0.0192	0.015	< 0.0100	0.010	12.3	<1.0
MW-25	South Yard		03/29/06	ND	<0.500	<0.500	<0.500	--	<1.00	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	9.81	<1.0
MW-25	South Yard		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	0.0133	0.0111	<0.0100	<0.0100	0.0113	<0.0100	<0.0100	7.23	<1.0

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-25	South Yard		03/25/08	ND	<0.5	<0.5	<0.5	--	0.013	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	6.0	0.15
MW-25	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<1.0	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	<0.010	<0.95	<0.050
MW-25	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.95	<0.050
MW-25	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-25	South Yard		03/15/10	ND	<0.5	<0.5	<0.5	--	1.6	0.021	0.022	0.025	0.011	0.025	<0.0096	0.013	<0.95	0.21
MW-25	South Yard		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.052
MW-25	South Yard		09/25/11	ND	<0.2	<0.2	<0.2	--	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	1.60	<0.08
MW-25	South Yard		10/10/11	ND	--	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-25	South Yard		06/21/12	ND	--	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	--	--
MW-25	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
MW-25	South Yard		09/20/12	ND	<0.5	<0.5	<0.5	--	0.054	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-25	South Yard	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	2.3	<0.034
MW-25	South Yard		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-25	South Yard		04/22/13	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-25	South Yard	Field Filtered	04/22/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.90	<0.073
MW-25	South Yard	[11]	06/10/14	ND	<0.5	<0.5	<0.5	--	0.047	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.96	<0.085
MW-25	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	3.7	<0.13
MW-25	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	1.0	<0.13
MW-25	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	0.016	0.013	0.017	<0.010	<0.010	4.1	<0.090
MW-25	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-25	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-25	South Yard	[11]	12/05/17	ND	<0.5	<0.5	<0.5	--	<0.030	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	3.4	<0.11
MW-25	South Yard	[11]	06/26/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	2.5	<1.1
MW-25	South Yard	[11]	11/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	5.6	<1.1
MW-25	South Yard	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-25	South Yard	[11]	12/17/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	4.0	<0.073
MW-25	South Yard	[11]	06/10/20	ND	<0.20	<0.20	<0.40	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MW-25	South Yard		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	1.8 J	<0.073
MW-25	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.355 J	1.27 J
MW-25	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<3.35 B**	**<2.00**
MW-26	South Yard		08/09/99	ND	<1.00	<1.00	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MW-26	South Yard		10/19/99	ND	<0.500	<0.500	<0.500	--	<0.0099	.0042[4]	.0039[4]	.0051[4]	0.0027[4]	0.0044[4]	<0.0081[4]	0.0033[4]	--	--
MW-26	South Yard		01/06/00	ND	0.621	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		04/12/00	ND	<1.00	<1.00	<1.00	--	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MW-26	South Yard		06/27/00	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		07/26/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		03/19/02	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		12/31/02	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		02/27/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		03/26/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		04/28/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		05/30/03	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		06/25/03	ND	<0.500	<0.500	<0.500	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MW-26	South Yard		09/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-26	South Yard		12/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
MW-26	South Yard		09/22/04	ND	<0.500	<0.500	<0.500	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	1.05	<1.0
MW-26	South Yard		03/14/05	ND	<0.500	<0.500	<0.500	--	<0.100	0.024	0.014	0.015	0.0239	0.019	<0.0100	<0.0100	1.26	<1.0
MW-26	South Yard		03/29/06	ND	<0.500	<0.500	<0.500	--	<1.00	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<1.0	<1.0
MW-26	South Yard		03/21/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		03/25/08	ND	<0.5	<0.5	<0.5	--	0.011	<0.0099	0.011	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.70	0.38
MW-26	South Yard		09/08-09/08	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.95	<0.050
MW-26	South Yard		12/11/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		03/30-31/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-26	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.95	<0.050
MW-26	South Yard		03/15/10	ND	<0.5	<0.5	<0.5	--	1.2	<0.0096	<0.0096	0.043[4]	<0.0096[4]	<0.0096	<0.0096	<0.0096	<0.95	<0.050
MW-26	South Yard		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.95	<0.052
MW-26	South Yard		09/25/11	ND	<0.2	<0.2	<0.2	--	<1.0	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.95	<0.08
MW-26	South Yard		10/10/11	ND	--	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-26	South Yard		06/21/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-26	South Yard		09/21/12	ND	<0.5	<0.5	<0.5	--	<0.030	--	--	--	--	--	--	--	--	--
MW-26	South Yard		09/21/12	ND	<0.5	<0.5	<0.5	--	<0.030	--	--	--	--	--	--	--	--	--
MW-26	South Yard		09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard		09/21/12	ND	<0.5	<0.5	<0.5	--	<0.030	--	--	--	--	--	--	--	--	--
MW-26	South Yard		09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	DUP	09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	09/26/12	ND	--	--	--	--	--	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	0.53	<0.034
MW-26	South Yard	DUP, Field Filtered	09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.49	0.10
MW-26	South Yard		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MW-26	South Yard		04/22/13	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MW-26	South Yard	Field Filtered	04/22/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.42	<0.073
MW-26	South Yard	Field Filtered [11]	06/10/14	ND	<0.5	<0.5	<0.5	--	0.068	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MW-26	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-26	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.041	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MW-26	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	0.036	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	0.390
MW-26	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MW-26	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MW-26	South Yard	[11]	12/06/17	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	<0.11
MW-26	South Yard	[11]	06/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-26	South Yard	[11]	11/28/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MW-26	South Yard	[11]	12/18/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
MW-26	South Yard	[11]	06/11/20	ND	<0.20	<0.20	<0.40	--	1.000	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	0.80 J	<0.073
MW-26	South Yard		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	<0.073
MW-26	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	0.382 J	<0.849
MW-26	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-27	North Yard		09/13/99	--	10.8	<0.500	<1.00	--	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	--	--
MW-27	North Yard		10/22/99	--	4.44	<0.500	<0.500	--	5.8[3]	0.0041[4]	0.0013[4]	0.006[4]	0.0033[4]	0.0042[4]	<0.032	<0.032	--	--
MW-27	North Yard		01/06/00	--	10.5	<2.50	<2.50	--	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		08/11/99	ND	1,810	1,450	884	--	238	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	9.21	6.82
MW-28	North Yard		10/21/99	ND	2,890	2,700	1,350	--	180[3]	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082[4]	<0.0082	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MW-28	North Yard		10/21/99	ND	2,700	2,480	1,280	--	--	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081[4]	<0.0081	--	--
MW-28	North Yard		01/06/00	ND	1,770	2,090	1,180	--	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		07/27/00	ND	1,840	2,420	702	--	356	--	--	--	--	--	--	--	--	--
MW-28	North Yard		09/29/00	ND	927	902	450	--	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		01/15/01	ND	1,970	2,070	635	--	98.8	--	--	--	--	--	--	--	--	--
MW-28	North Yard		06/21/01	ND	1,950	3,130	1,190	--	272	--	--	--	--	--	--	--	--	--
MW-28	North Yard		06/26/03	ND	1,230	615	1,290	--	--	--	--	--	--	--	--	--	--	--
MW-28	North Yard		09/15/03	ND	848	175	916	--	272	--	--	--	--	--	--	--	--	--
MW-28	North Yard		12/15/03	ND	881	474	1,010	--	284	--	--	--	--	--	--	--	--	--
MW-28	North Yard		03/25/04	ND	712	281	854	--	288	--	--	--	--	--	--	--	--	--
MW-29	ROW	[11]	08/12/14	ND	<2.0	<0.2	0.7	--	3.1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	7.1	<0.082
MW-29	**ROW**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MW-30	ROW	[11]	08/12/14	ND	<0.2	<0.2	<0.2		<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.84	<0.082
MW-30	ROW	DUP [11]	08/12/14	ND	<0.2	<0.2	<0.2		<1.0	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
AGI-2	South Yard		08/10/99	ND	38.8	11.7	1.57	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	10.6	1.84
AGI-2	South Yard		10/20/99	ND	20.3	12.1	5.14	--	0.097	.0014[3]	<0.008	0.0019[4]	0.0014[4]	0.0014[4]	<0.008[4]	0.0011[4]	--	--
AGI-2	South Yard		01/15/01	ND	41.2	17.8	7.44	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		06/21/01	ND	296	<10.0	<10.0	--	<10.0	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		07/26/01	ND	397.0	14.9	16.9	--	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		03/18/02	ND	43.2	78.9	17.6	--	1.68	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		03/18/02	ND	40.5	72.8	16.4	--	<2.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		05/07/02	ND	6.16	2.24	2.76	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		06/06/02	ND	4.58	1.52	2.04	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		07/02/02	ND	3.60	2.52	2.00	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		09/03/02	ND	3.48	2.59	3.16	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		12/31/02	ND	1.10	1.36	1.34	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		03/26/03	ND	40.3	481	302	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		04/28/03	ND	27.7	351	190	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		05/30/03	ND	19.4	358	200	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		06/25/03	ND	3.34	1.23	7.70	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
AGI-2	South Yard		09/15/03	ND	1.01	0.832	1.40	--	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		12/15/03	ND	0.688	0.599	0.851	--	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		03/26/04	ND	2.06	1.12	1.56	--	<1.00	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		03/21/07	ND	0.78	<0.500	0.58	--	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	0.00994	4.68	<1.0
AGI-2	South Yard		09/10-11/09	ND	11	3.5	5.8	--	2.1	0.29	<0.097[8]	0.18	<0.097[8]	0.32	<0.097[8]	<0.097[8]	6.0	0.18
AGI-2	South Yard		03/15/10	ND	3.5	0.9	2.0	--	4.9	0.43	0.12	0.23	0.14	0.51	0.027	0.095	4.9	0.053
AGI-2	South Yard		09/15/10	ND	19.0	6.5	15.0	--	2.4	0.55	0.15	0.2	0.17	0.61	0.03	0.17	7.7	<0.052
AGI-2	South Yard		06/21/12	ND	--	--	--	--	--	0.011	<0.010	<0.010	<0.010	0.012	<0.010	<0.010	--	--
AGI-2	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--
AGI-2	South Yard		09/20/12	ND	61.0	12.0	6.2	--	0.86	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
AGI-2	South Yard	Field Filtered	09/20/12	ND	--	--	--	--	--	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	12.8	0.073
AGI-2	South Yard	Field Filtered	12/26/12	ND	11	3.6	1.4	--	--	--	--	--	--	--	--	--	--	--
AGI-2	South Yard		04/23/13	ND	5.1	1.1	5.9	--	0.63	0.015	<0.010	<0.010	<0.010	0.015	<0.010	<0.010	--	--
AGI-2	South Yard	DUP Field Filtered	04/23/13	ND	4.2	1.4	3.9	--	0.60	0.015	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
AGI-2	South Yard	Field Filtered	04/23/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	10.9	<0.073
AGI-2	South Yard	DUP Field Filtered	04/23/13	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	11.6	<0.047
AGI-2	South Yard	[11]	06/11/14	ND	9.2	2.5	7.4	--	0.35	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	10.8	<0.085
AGI-2	South Yard	[11]	11/11/15	ND	42	10	140	--	20	0.023	<0.010	<0.010	<0.010	0.022	<0.010	<0.010	6.1	0.47
AGI-2	South Yard	[11]	04/18/16	ND	1.7	1.0	7.1	--	0.31	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	9.1	<0.13
AGI-2	South Yard	[11]	12/07/16	ND	2.1	1.2	6.3	--	0.24	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	10.4	<0.090
AGI-2	South Yard		06/21/17	ND	1.9	1.1	11.0	--	0.37	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
AGI-2	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	0.22	0.011	0.012	0.019	<0.011	<0.011	<0.011	<0.011	11.7	<0.11
AGI-2	South Yard	[11]	12/06/17	ND	3.4	2.1	2.9	--	<0.031	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	11.2	0.16
AGI-2	South Yard	[11]	06/27/18	ND	1.1	0.5	1.9	--	0.20	<0.01	0.020	0.020	0.020	<0.01	0.020	0.020	8.9	<1.1
AGI-2	South Yard	[11]	11/28/18	ND	8.6	<0.5	10	--	<0.03	0.01	0.01	0.01	<0.01	0.02	<0.02	0.01	5.9	11.2
AGI-2	South Yard	[11]	06/21/19	ND	2	1.1 J	10	--	0.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	9.2	<1.1
AGI-2	South Yard	[11]	12/18/19	ND	48	9	12	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	12.4	<0.073
AGI-2	South Yard	[11]	06/11/20	ND	1.6	0.49 J	12	--	0.066 J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	9.5	<0.073
AGI-2	South Yard		11/10/20	ND	14	4.5	7.2	--	0.36	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	12	0.11 J
AGI-2	South Yard		06/28/21	ND	0.913 J	<0.278	1.97	--	0.56	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	2	<0.849
AGI-2	**South Yard**		**01/06/22**	**ND**	**1.06**	**0.615 J**	**4.99**		**0.245 J**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**10.2 J**	**2.03**
MLU-1	South Yard		08/10/99	ND	<1.00	<1.00	<1.00	--	<1.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<1.0	<1.0
MLU-1	South Yard		10/20/99	ND	<0.500	<0.500	<0.500	--	0.023	.0012[4]	0.00091[4]	.0022[4]	<0.0079	<0.0079	<0.0079	.0013[4]	--	--
MLU-1	South Yard		01/06/00	ND	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		04/12/00	ND	<1.00	<1.00	<1.00	--	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	--	--
MLU-1	South Yard		06/27/00	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		06/25/03	ND	<0.500	<0.500	<0.500	--	<0.100	0.0476	0.0264	<0.0100	0.0164	0.0285	<0.0100	0.0776	--	--
MLU-1	South Yard		09/15/03	ND	0.6280	<0.500	<0.500	--	<1.00	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
MLU-1	South Yard		12/15/03	ND	<0.500	<0.500	<0.500	--	<1.00	<0.0100	0.0653	<0.0100	<0.0100	0.051	<0.0100	<0.0100	<1.0	<1.0
MLU-1	South Yard		03/25/04	ND	<0.500	<0.500	<0.500	--	<0.100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<1.0	<1.0
MLU-1	South Yard		03/21/07	ND	<0.500	<0.500	<0.500	--	<5.00	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<1.0	<1.0
MLU-1	South Yard		09/10-11/09	ND	<0.5	<0.5	<0.5	--	<1.0	0.012	0.011	0.021	<0.0098	0.014	<0.0098	0.011	<0.95	<0.050
MLU-1	South Yard		03/15/10	ND	<0.5	<0.5	<0.5	--	1.7	<0.010	<0.010	0.066[10]	<0.010[10]	<0.010	<0.010	<0.010	<0.95	<0.050
MLU-1	South Yard		09/15/10	ND	<0.5	<0.5	<0.5	--	<1.0	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.95	<0.052
MLU-1	South Yard		06/21/12	ND	--	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MLU-1	South Yard	Field Filtered	06/21/12	ND	--	--	--	--	--	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MLU-1	South Yard		09/21/12	ND	<0.5	<0.5	<0.5	--	<0.031	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-1	South Yard	Field Filtered	09/26/12	ND	--	--	--	--	--	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	0.041
MLU-1	South Yard		12/26/12	ND	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
MLU-1	South Yard		04/22/13	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-1	South Yard	Field Filtered	04/22/13	ND						<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.40	0.097
MLU-1	South Yard	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.051	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	<0.085
MLU-1	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	<0.13
MLU-1	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.035	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.23
MLU-1	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.68	<0.090
MLU-1	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	--	--
MLU-1	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11

ARCADIS

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
MLU-1	South Yard	[11]	12/06/17	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.72	<0.11
MLU-1	South Yard	[11]	06/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	11/28/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-1	South Yard	[11]	12/18/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	0.084 J
MLU-1	South Yard	[11]	06/11/20	ND	<0.20 H	<0.20 H	<0.40 H	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MLU-1	South Yard		11/10/20	ND	<0.20	<0.20	<0.40	--	<0.033	<0.011	<0.011	<0.011	<0.011	<0.011	<0.022	<0.011	<0.70	0.35 J
MLU-1	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	<0.849
MLU-1	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**<2.00**
MLU-3	South Yard		08/20/99	ND	<1.00	<1.00	<1.00	--	<1.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1.0	<1.0
MLU-3	South Yard		10/20/99	ND	<0.500	<0.500	<0.500	--	0.057	0.0099	0.01	0.011	0.0075[4]	0.013	0.0019[4]	0.0075[4]	--	--
MLU-3	South Yard		07/26/01	ND	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
MLU-3	South Yard	[11]	06/11/14	ND	<0.5	<0.5	<0.5	--	0.056	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.78	0.15
MLU-3	South Yard	[11]	11/11/15	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	0.014	<0.010	0.013	<0.010	<0.010	0.79	0.22
MLU-3	South Yard	[11]	04/18/16	ND	<0.5	<0.5	<0.5	--	0.036	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.54	0.18
MLU-3	South Yard	[11]	12/07/16	ND	<0.5	<0.5	<0.5	--	<0.031	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.71	1.8
MLU-3	South Yard		06/21/17	ND	<0.5	<0.5	<0.5	--	<0.030	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
MLU-3	South Yard	Field Filtered	06/21/17	ND	--	--	--	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MLU-3	South Yard	[11]	12/06/17	ND	<0.5	<0.5	<0.5	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.72	<0.11
MLU-3	South Yard		06/27/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	11/28/18	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	06/21/19	ND	<0.5	<0.5	<0.5	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.68	<1.1
MLU-3	South Yard	[11]	12/18/19	ND	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	1.0 J	0.67
MLU-3	South Yard	[11]	06/11/20	ND	<0.20 H	<0.20 H	<0.40 H	--	0.034 J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.70	<0.073
MLU-3	South Yard		11/11/20	ND	<0.20	<0.20	<0.40	--	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.021	<0.011	<0.70	1.3
MLU-3	South Yard		06/28/21	ND	<0.0941	<0.278	<0.137	--	<0.0917	<0.0203	<0.0184	<0.0168	<0.0202	<0.0179	<0.0160	<0.0158	<0.180	0.950 J
MLU-3	**South Yard**		**01/06/22**	**ND**	**<1.00**	**<1.00**	**<1.00**		**<0.0917**	**<0.0203**	**<0.0184**	**<0.0168**	**<0.0202**	**<0.0179**	**<0.0160**	**<0.0158**	**<2.00 B**	**5.45 J**
Quality Control Samples																		
Trip Blank	NA		08/09/99	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		08/10/99	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		08/11/99	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		10/20/99	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		01/07/00	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		04/13/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		04/13/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		04/13/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		04/13/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		04/13/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		06/28/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		09/29/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		01/15/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		06/21/01	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/18/02	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/19/02	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--

Appendix C
Historical Groundwater Analytical Results
Five-Year Review Report
Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
Trip Blank	NA		04/03/02	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		09/03/02	--	<0.500	<0.500	1.09	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		12/31/02	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		06/26/03	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA		09/15/03	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		12/15/03	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/25/04	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		09/23/04	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/14/05	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/29/06	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/21/07	--	<0.500	<0.500	<0.500	--	<5.00	--	--	--	--	--	--	--	--	--
Trip Blank	NA		03/25/08	--	<0.5	<0.5	<0.5	--	<1.0	--	--	--	--	--	--	--	--	--
Field Blank	NA		08/20/99	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/20/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/22/99	--	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/22/99	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/22/99	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		10/26/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		06/21/01	--	<1.00	<1.00	2.49	--	1.88	--	--	--	--	--	--	--	--	--
Field Blank	NA		06/27/01	--	<1.00	<1.00	1.79	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		07/26/01	--	1.22	<1.00	4.26	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/19/02	--	<1.00	<1.00	<1.00	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		09/03/02	--	0.857	<0.500	3.84	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		12/31/02	--	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--	--	--
Field Blank	NA		09/17/03	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		12/17/03	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/26/04	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		09/23/04	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/14/05	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/29/06	--	<0.500	<0.500	<0.500	--	<1.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/21/07	--	<0.500	<0.500	<0.500	--	<5.00	--	--	--	--	--	--	--	--	--
Field Blank	NA		03/25/08	--	<0.5	<0.5	<0.5	--	<1.0	--	--	--	--	--	--	--	--	--
Field Blank	NA		09/08-09/08	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	--
QA	NA		03/30-31/09	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	--
QA	NA		09/10-11/09	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	--
QA	NA		03/15/10	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	--
QA	NA		09/15/10	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--	--	--
QA	NA		09/24/11	--	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--	--
QA	NA		11/16/11	--	<0.2	<0.2	<0.2	<0.6	--	--	--	--	--	--	--	--	--	--
QA	NA		06/10/14	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--

Appendix C
Historical Groundwater Analytical Results
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Former Chevron Bulk Plant No. 100-1327
1602 North Northlake Way
Facilities North/King County (Metro)
Seattle, Washington

Monitoring Well	Well Location	Comments	Date Sampled	LNAPL[2]	VOCs (USEPA Method 8020 or 8021B) (µg/L)					cPAHs (USEPA Method 8270) (µg/L)							Metals (USEPA Method 6020) (µg/L)	
					Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	Arsenic	Lead
Site Cleanup Level[1]					**43**	**48,500**	**6,910**	**--**	**9,880**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0296**	**0.0982**	**5**
QA	NA		11/11/15	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		04/18/16	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		12/07/16	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		06/21/17	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		12/05/17	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		06/26/18	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		11/27/18	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		06/21/19	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
QA	NA		12/18/19	--	<0.2	<0.2	<0.4	--	--	--	--	--	--	--	--	--	--	--
QA	NA		06/10/20	--	<0.2	<0.2	<0.4	--	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.70	<0.073
QA	NA		11/10/20	--	<0.20	<0.20	<0.40	--	--	--	--	--	--	--	--	--	--	--

Notes:

[1] Site-specific cleanup levels developed in Draft Cleanup Action Plan (Foster Wheeler 1998).

[2] LNAPL = light nonaqueous phase liquid.

[3] Laboratory report indicates concentration exceeds the instrument calibration range.

[4] Laboratory report indicates estimated value.

[5] Laboratory report indicates the reporting limits were raised because sample dilution was necessary to bring internal standard within quality control (QC) limits.

[6] Laboratory report indicates the surrogate data are outside the QC limits due to irresolvable matrix problems evident in the sample chromatogram.

[7] Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

[8] Laboratory report indicates due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the gas chromatography/mass spectrometry semivolatile compounds were raised.

[9] Laboratory report indicates due to the presence of interferents near their retention time, normal reporting limits were not attained for benzene and toluene. The presence or concentrations of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

[10] Laboratory report indicates benzo (b) fluoranthene and benzo (k) fluoranthene were not resolved under the sample analysis conditions. The result reported for benzo (b) fluoranthene represents the combined total of both isomers.

[11] cPAHs, arsenic, and lead samples were filtered in the field using a disposable 0.45-micron filter.

1. Shaded concentrations are greater than corresponding site cleanup level.
2. Bolded data are for the current reporting period.
3. Grey well indicates the well is no longer present.

Acronyms and Abbreviations:

µg/L = microgram per liter
< = not detected below value
-- = not analyzed
cPAH = carcinogenic polyaromatic hydrocarbon
DUP = duplicate sample
naphthalene = actual naphthalene quantity
NA = not applicable
ND = not detected
QA = quality assurance
ROW = right-of-way
sheen = sheen observed in water
USEPA = United States Environmental Protection Agency
VOC = volatile organic compound

Qualifiers:

B = Analyte considered non-detect at the listed value due to associated blank contamination.
H = Sample was prepped or analyzed beyond the specified holding time
J = The concentration is an approximate value.

Reference:

Foster Wheeler. 1998. Draft Cleanup Action Plan, Former Chevron Bulk Plant 100-1327, Facilities North/King County Metro Transit, Lake Union Site, Prepared for Chevron Products Company & King County Metro Transit. November 24.

Arcadis U.S., Inc.
1100 Olive Way, Suite 800
Seattle
Washington 98101
Phone: 206 325 5254
Fax: 206 325 8218
www.arcadis.com